File Patents

DISCLOSURES

Law Department - Patent Section
Philip Morris Management Corp.
Privileged and Confidential

22 October 1991

2020110222

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1179

(NET) PROCESS FOR EXPANDING TOBACCO

F. V. Utsch
Physical Research

A method for expanding tobacco by subjecting the tobacco to an inert gas at a pressure of from 200 to 1000 PSIG, cooling the pressurized tobacco to a temperature below -30 degrees F then depressurizing and rapidly heating the tobacco to provide expansion of the tobacco.

Glenn	
9-8-89	Reactivated per Friedman--additional data being prepared.
3-1-90	Follow-up inquiry to Friedman--Utsch will gather existing data and send it to us.
1-91	Utsch says info will be ready by end of March.
6-3-91	On hold pending receipt of additional data.
9-23-91	Status inquiry: ***hold***--additional time needed to review data.

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20201110223

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1291 *** R&D DOCKET ***

(Filter Technology) CIGARETTE FILTER TREATMENT

A. G. Kallianos, W. E. Claflin, W. A. Nichols
Cigarette Technology

A process to modify the selectivity of polypropylene (FML) or other non-CA filters to closely or substantially approximate that of cellulose acetate filters for cigarette smoke components.

See also 1359

Schardt/F&N/Hintz

1-5-88	Disclosure file opened.
2-1-88	Disclosure to F&N for review.
4-12-88	Prior art patents received--forwarded to inventors for review.
6-7-88	Follow-up to inventors: have you reviewed yet?
6-13-88	Kallianos says inventors feel more work is needed before proceeding--note to Hubbard to that effect.
1-11-89	Letter to Hintz: 1359 and this case similar--discuss with Lee to see that these cases are coordinated.
11-9-89	Letter from Hintz: reviewed with PM 1359--proceed with separate cases. He is waiting for us to advise re our letter of 6-13-88.
1-11-90	Discussed with Kallianos--he will check status and advise.
3-1-90	Follow-up inquiry to Kallianos.
2-18-91	Status inquiry: Kallianos to review work with T. Callaham and Tim will advise on how to proceed.
9-24-91	Placed on R&D docket pending further development work.

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PM 1322 CIPIII (D802)

(Delta/Sigma) SMOKING ARTICLE

S. C. Deevi and D. B. Losee

A smoking article in which a flavored aerosol is generated by heat transfer to a flavor bed from the combustion of a carbon heat source is provided. The article generates substantially no sidestream smoke. The transfer of heat from the heat source to the flavor bed is accomplished by convective and radiative heat transfer.

Schardt/F&N/Ingerman

5-7-91	F&N instructed to file PM 1579 as CIPIII to PM 1322.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1323

(Delta) SMOKING ARTICLE

C. Goldsmith, H. Lanzillotti, C. Lilly, E. Grollimund, J. Ehrman

A smoking article that produces no visible sidestream smoke in which at least the carbon heat source and the tobacco flavor producing elements can be ejected from a reusable body of the smoking article.

Schardt/F&N/Panichi

7-13-88	Disclosure received (4 drawings handed to JES by Lanzillotti); faxed to F&N (WEB).
9-7-88	1st draft received--to inventors for review.
9-8-88	Draft sent to Goldsmith by Kennard for review.
11-7-88	Redraft received.
11-10-88	Meeting with Kennard to review application.
1-6-89	3rd draft received; handed to inventors for review.
6-26-89	Meeting with Kennard and Lanzillotti to finalize application.
10-25-89	Revised application received--forwarded to inventors for review.
11-5-90	Waiting for arrangements to be made for Goldsmith to sign.
1-29-91	Letter to C. Smith: signatures out of date--will have to start over--send new forms.
5-14-91	Application sent F&N for execution by Goldsmith.
7-15-91	Status inquiry sent to F&N.

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20201110225

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1342

(Sigma/Delta - Rotary/Linear Table) APPARATUS FOR ASSEMBLING A MULTI-PART ARTICLE

R. H. Dickerson et al
Engineering

A multi-station apparatus that is used for the construction of non-combustion smoking articles which in a first embodiment may comprise two interacting rotary tables and in a second embodiment may comprise a single linear table.

Glenn/F&N/Pisano

11-10-88	Kennard here to see equipment.
11-15-88	Disclosure file opened; F&N preparing application.
12-29-88	Letter from Kennard: Brookman to schedule trip to Erie to see apparatus and meet with Dickerson and the Swanson-Erie people.
6-26-89	Kennard met with inventors to finalize application.
7-12-89	Drawings of generator tube station forwarded to Kennard.
8-3-89	Meeting with inventors and Kennard.
8-8-89	Additional drawings received and forwarded to Kennard.
5-9-90	1st draft received--to inventors for review.
6-18-90	Dickerson's comments received.
7-6-90	Meeting with inventors/Pisano to review draft.
9-11-90	Revised draft received--to inventors for review.
10-23-90	Meeting with inventors/Pisano to review draft.
11-27-90	Revised draft received.
12-14-90	Draft claims to inventors for review.
12-28-90	Dickerson's comments to Pisano.
2-5-91	2nd draft received.
2-20-91	DeBlasio's comments to Pisano.
5-30-91	Divided into two applications: 1342-A and 1342-B.
10-11-91	Decision made not to divide into 2 applications.
10-16-91	3rd draft sent to inventors.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1354

WATER OR ALCOHOL SOLUBLE INORGANIC POLYMERIC OXIDE GEL ADHESIVES FOR CIGARETTE PAPER PREPARED VIA THE SOL-GEL PROCESS

A. G. Kallianos, K. R. Hansen, and A. C. Lilly
Cigarette Technology

Schardt/F&N/Hintz

2-7-89	Disclosure file opened.
3-3-89	Disclosure to F&N for application preparation.
3-7-89	Letter from C. Smith: assigned to Hintz.
8-15-89	In-house search results forwarded to Hintz.
12-1-89	Memo from Friedman: trials successful--Kallianos needs to discuss with JES.
3-1-90	Follow-up inquiry to Kallianos.
5-30-90	Status inquiry from F&N.
7-3-90	PM 1364 combined herewith--F&N to proceed.
1-22-91	Status inquiry to C. Smith.
5-1-91	Additional data requested from Kallianos.
9-3-91	Reminder to Kallianos--still waiting for data.
9-23-91	Status inquiry: additional time required to obtain data.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1355

(Project ART - Water Column) COUNTERCURRENT WATER ABSORBER FOR EXTRACTION OF NICOTINE FROM SUPERCRITICAL CARBON DIOXIDE

J. M. Dobbs and T. M. Howell
Physical Research

A process for extracting nicotine from tobacco using a supercritical solvent includes absorption of the nicotine from the supercritical solvent using substantially pure water.

See also PM 1267 and 1268

Glenn/F&N/Krasnow

2-7-89	Disclosure file opened.
3-3-89	Disclosure to F&N for application preparation.
8-16-89	In-house patent search results to Kearney.
11-2-89	Kearney discussed by phone with JES--to be discussed with Dobbs when he returns late November.
11-16-89	Meeting with Kearney and inventors to review disclosure.
2-7-90	References forwarded to Kearney--art close.
7-5-90	Additional information forwarded to Kearney.
9-11-90	Krasnow called to schedule meeting.
10-16-90	Letter to Krasnow transmitting memo to file re phone conference with Dobbs; Krasnow instructed to review the EP patent for PM 1267 CIP A with regard to this case; we want to proceed with application preparation.
10-25-90	Meeting with Krasnow/inventors.
12-3-90	1st draft received--to inventors for review.
3-6-91	Inventors still reviewing 1st draft.
9-23-91	Status inquiry: ***on hold*** until after 1st of year.

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20201022B

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1358

METHODS AND APPARATUS FOR OPTICALLY INSPECTING CYLINDRICAL PRODUCTS

D. A. Lowitz
Physical Research

Schardt/F&N/Jackson

10-11-88	Disclosure received--logged in as D456; acknowledgment sent.
11-11-88	R&D patent meeting: file.
11-21-88	Disclosure to F&N for search and evaluation.
2-21-89	1st draft received--to inventor for review.
3-7-89	Jackson met with Lowitz to review draft.
7-21-89	Letter to Jackson: put on hold--Lowitz doing additional work.
12-7-89	Memo from Friedman: work continues on analysis part of application.
3-1-90	Follow-up inquiry to Friedman--work still not completed on "interface" part of application. F&N instructed to put on ***hold*** until further notice.
10-17-90	Memo from Friedman: inactivate; letter to F&N: is there enough data to file on what we have?
10-26-90	Revised application received--to Lowitz for final review.
2-18-91	Status inquiry: Lowitz did not receive draft sent to him October 26--another copy given to him.
8-15-91	Status inquiry: Lowitz still reviewing.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1362

METHOD OF APPLYING LARGE QUANTITIES OF MATERIAL TO TOBACCO FILLER WITHOUT ADDING A SOLVENT

Susan E. Wrenn
Tobacco Materials

Glenn/F&N/Gross/Radulescu

4-19-89	Disclosure file opened; disclosure to F&N for application preparation and search if necessary.
4-25-89	Letter from C. Smith: novelty search underway.
6-22-89	Meeting with Wrenn and Boyer to review disclosure.
6-23-89	Preliminary in-house search completed--forwarded to Boyer.
8-4-89	Checked with Wrenn--tests not ready yet--check again after Labor Day.
9-28-89	Memo to Wrenn: data available yet?
12-5-89	Letter from Boyer: on hold pending receipt of data.
7-2-90	On ***hold*** until tests can be scheduled.
3-6-91	Being reviewed by involved personnel to determine status.

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PM 1363

USE OF MONOALCOHOL ITACONATES AS FLAVOR RELEASE AGENTS

H. J. Grubbs and R. R. Izac
Chemical Research

Schardt/Depaoli

4-19-89	Disclosure file opened combining D508, D509, and D510; disclosures forwarded to Depaoli for application preparation.
6-8-89	Patent Office search results received from Depaoli.
6-13-89	Search forwarded to inventors for review.
3-1-90	Follow-up inquiry to inventors.
2-18-91	Status inquiry: Grubbs reviewing file.

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20201110230

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1368

(Paper Technology) CONTROLLED BURN RATE CIGARETTE

R. W. Newsome, W. A. Geiszler, and Willie G. Houck
Cigarette Technology

A. controlled burn rate cigarette comprising a paper wrapper with at least one calendered zone of reduced permeability.

See also PM 1498

Schardt/F&N/Hubbard

5-3-89	Disclosure file opened (was D527). Reviewed at April 18 R&D patent meeting--recommendation was to pursue patent coverage.
5-17-89	Inventors preparing samples and data.
8-17-89	Data still not ready.
9-14-89	Meeting with inventors and D. Shulman to review disclosure and data.
9-20-89	1st draft received--forwarded to inventors for review.
10-2-89	Additional data faxed to Meyer.
10-6-89	2nd draft received--faxed to inventors for review.
10-11-89	Ready to file--on ***hold*** pending approval from Fred Newman.
9-17-90	Reassigned to Hubbard.
11-15-90	Application to Long at Shook Hardy for review and approval.
5-15-91	Long's comments send to Hubbard.
9-23-91	Meeting with Radulescu/inventors--***on hold*** pending availability of additional data.

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20201110231

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1390 (D474)

(Bonded Rods) FOAM ADHESIVE COMPOSITION

J. Lee Gregory III and Theodore E. Majewski
Tobacco Materials

An adhesive foam solution having a short setting or curing time for adhering tobacco and other materials in the tip of a cigarette. The foams break down rapidly to allow early curing of the adhesive. In a specific embodiment, the invention comprises a solution of 4-5% sodium carboxymethyl cellulose (NaCMC) and .75-1.0% licorice mixed in water. Air is then added to this solution to produce a foam with an expansion ratio within the range from 6:1 to 10:1. A method of testing the relative breakdown times of different foam compositions is also disclosed.

See also PM 1391

Schardt/F&N/Godziela

8-31-89	PM file opened (was D474)--forwarded to F&N for application preparation.
3-2-90	Meeting with Godziela and inventors.
11-30-90	1st draft received--to inventors for review.
1-21-91	Status inquiry to Gregory re review of draft.
2-28-91	2nd status inquiry to Gregory.
5-29-91	3rd status inquiry to Gregory.
7-18-91	Status inquiry sent to Keen.
8-22-91	Keen advises that Gregory still reviewing draft.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1391

(Bonded Ends) POLYDEXTROSE ADHESIVE COMPOSITION AND METHOD OF PREPARING THE SAME

Theodore E. Majewski
Tobacco Materials

An adhesive foam solution having a short setting or curing time for adhering tobacco and other materials in the tip of a cigarette. The foams break down rapidly to allow early curing of the adhesive. In a specific embodiment, the invention comprises neutralized solutions of polydextrose and licorice mixed in water. Air is then added to this solution to produce a foam with an expansion ratio within the range from 6:1 to 10:1. A method of testing the relative breakdown times of different foam compositions is also disclosed.

See also PM 1390

Schardt/F&N/Godziela

8-31-89	PM file opened (was D551)--forwarded to F&N for application preparation.
3-2-90	Meeting with Godziela and Majewski.
11-30-90	1st draft received--to inventor for review.
1-16-91	Inventor's comments forwarded to Godziela; this case ***on hold*** until comments sent on PM 1390 since these cases are to be filed on the same day.

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PM 1394 (D560)

(Beta) SMOKING ARTICLE DESIGNED TO IMPROVE CONTROL OF THE HEAT AND TEMPERATURE PROVIDED TO EACH PUFF

F. V. Utsch, B. C. LaRoy, and A. C. Lilly
Physical Research

Glenn/F&N/deBlasi

8-31-89	PM file opened (was D560)--forwarded to F&N for application preparation.
9-20-89	Letter from C. Smith: need drawings--request sent to Utsch.
11-30-89	Follow-up to Utsch.
5-31-90	Status inquiry to Utsch.
10-23-90	Drawings being prepared.
12-13-90	Checked status--draftsman's workload backed up.
3-6-91	Drawings should be completed in a week.
5-1-91	Drawings sent to F&N.
7-12-91	Assigned to deBlasi.

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2020110233

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1397

(Paper Technology) NOVEL FILLERS FOR SMOKING ARTICLE WRAPPERS AND METHOD FOR MAKING SAME

Andrew G. Kallianos and Kathleen R. Hansen
Flavor Development

Relates to compositions comprising magnesium carbonate compounds formed by a "sol-gel" process, which compounds, when used as fillers in the fabrication of smoking article wrappers, produce significantly reduced sidestream smoke.

Schardt/F&N/Morris

8-31-89	PM file opened (was D549)--forwarded to F&N for application preparation.
9-28-89	Letter from C. Smith: assigned to Yankwick.
1-11-90	Meeting with Kallianos and Yankwick.
11-20-90	Letter from Hintz to Kallianos requesting additional information.
2-18-91	Inventors in the process of drafting background sections for the application.
5-22-91	Additional information sent to Hintz.
6-6-91	Reassigned to Morris.
6-14-91	In-house search sent to Morris.
9-10-91	Status inquiry: draft being prepared.
10-11-91	1st draft sent to inventors for review.

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2020110234

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1399 *** FILED ***

SMOKING COMPOSITIONS CONTAINING AN OXALATE FLAVORANT-RELEASE ADDITIVE

W. Geoffrey Chan
Chemical Research

In one embodiment this invention provides smoking compositions which contain a novel oxalate ester flavorant-release additive. Under cigarette smoking conditions, a combustible filler additive such as methyl 4-oxo-β-ionyl oxalate pyrolyzes and releases megastigma-5,7,9-trien-4-one as a natural flavorant component of the cigarette smoke.

Schardt/Depaoli

8-31-89	PM file opened (was D557)--forwarded to Depaoli for application preparation.
11-21-89	Letter from Depaoli: additional info needed--request sent to Chan.
3-30-90	Checked status with Chan--he expects to have data for pyrazine aspect in 2-3 weeks. He will then start on other aspect.
8-23-90	Depaoli discussed by Phone with Chan; Chan to submit examples and references.
9-12-90	Experimental data forwarded to Giancola.
10-11-90	1st draft received--to Chan for review.
1-22-91	Checked status--Chan still reviewing.
7-29-91	Chan's comments and examples sent to Depaoli.
8-26-91	Revised draft received--ready to execute.
9-10-91	Additional corrections sent to Giancola.
9-19-91	Executed and sent to Depaoli for filing.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1399A

SMOKING COMPOSITIONS CONTAINING AN OXALATE FLAVORANT-RELEASE ADDITIVE

W. Geoffrey Chan
Chenical Research

In one embodiment this invention provides smoking compositions which contain a novel oxalate ester flavorant-release additive. Under cigarette smoking conditions, a combustible filler additive such as methyl 2-pyrazinyl-2-propanyl oxalate or di(2-pyrazinyl-2-propanyl) oxalate pyrolyzed and releases 2-isopropenylpyrazine flavorant as a volatile component of the cigarette smoke.

Schardt/Depaoli

11-21-89	Additional info requested from Depaoli.
7-20-90	Additional info forwarded to Depaoli.
9-27-90	1st draft received--to Chan for review.
1-22-91	Checked status--Chan still reviewing.
7-15-91	Status inquiry sent to Chan.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1405

METHODS FOR REMOVING NON-METALLIC CONTAMINANTS FROM A STREAM OF MANUFACTURE

D. L. Bilunas, B. C. Kiernan, B. A. Semp, and C. R. Shade
Engineering

This invention relates to methods for removing undesirable, non-metallic contaminants from a stream of manufacture, comprising treating the contaminants prior to their entry into the stream of manufacture by adding thereto a metallic substance, detecting the treated contaminants in the stream of manufacture with a metal detection means, and removing the detected contaminants from the stream of manufacture in response to such detection.

Schardt/F&N/Riesen

9-29-89	Engineering patent meeting--file.
11-17-89	Disclosure to F&N for application preparation.
11-27-89	Letter from C. Smith: assigned to Phil Riesen.
12-19-89	Additional info received.
2-15-90	Meeting with Kiernan/Shade/Riesen.
2-20-90	Additional info received--forwarded to Riesen.
6-7-90	Kiernan says may be used commercially soon--status inquiry to Riesen.
7-19-90	1st draft received--to inventors for review.
9-14-90	Discussed with Kiernan--they are in the process of reviewing the draft.
12-18-90	Status inquiry to Kiernan.
1-15-91	Inventors' comments on draft forwarded to Riesen.
3-7-91	Letter from C. Smith: Riesen plans to meet with inventors late April.
6-18-91	Information on commercial use sent to Riesen?
9-26-91	Conference call between Reisen/inventors.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1407

TRAP DOOR CONVEYOR

R. McNulty
Engineering

Conveyor system which provides a number of drop off points for the product being transported.

Schardt/F&N/Krasnow

9-29-89	Engineering patent meeting--file.
11-17-89	Disclosure to F&N for application preparation.
12-1-89	Meeting with inventor and Butts to review disclosure.
12-7-89	Additional info received and forwarded to Butts.
6-14-90	Meeting with McNulty/Krasnow.
10-22-90	1st draft received--to inventor for review.
1-21-91	Status inquiry to McNulty.
4-1-91	2nd status inquiry to McNulty.
7-18-91	Status inquiry sent to Keen.

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PM 1409

(Bonded Rod) METHOD AND APPARATUS FOR TREATING CIGARETTES

David Golob
Engineering

Relates to a method and an apparatus for curing or collapsing foam binders or adhesives generally applied to cigarettes to bind tobacco shreds at the ends of the cigarettes.

Schardt/F&N/Riesen

9-29-89	Engineering patent meeting--file.
11-17-89	Disclosure to F&N for application preparation.
11-27-89	Letter from C. Smith: assigned to Phil Riesen.
2-15-90	Meeting with Riesen and Golob.
1-22-91	Status inquiry to C. Smith.
2-28-91	1st draft received--to inventor for review.
4-18-91	Inventor's comments sent to Riesen; Reisen plans to meet with inventor.

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2020110238

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1413 (D539, D569, D643, D644) *** FILED ***

THERMALLY-REGULATED FLAVOR GENERATOR

S. C. Deevi, M. R. Hajalicol, C. H. Morgan, W. A. Nichols
Tobacco Fundamentals

Relates to a smoking article in which the delivery of flavor to the consumer during each individual puff of the article can be precisely controlled and regulated. As a result, the smoking article is capable of producing a constant quality of flavor delivery from the first to last puff of the article.

Schardt/F&N/Gross/Radulescu

11-14-89	R&D Patent Meeting - pursue patent coverage.
12-12-89	Disclosure file opened--to F&N for application preparation.
1-10-90	Meeting with Boyer and Nichols.
4-18-90	1st draft received--to inventor for review.
7-31-90	Checked status with Nichols--waiting for samples from vendor to conduct tests.
11-13-90	Checked status again with Nichols--still waiting for samples from vendor.
1-17-91	Revised draft forwarded to Nichols for review.
2-15-91	Meeting with Gross/Radulescu/Nichols.
4-19-91	Draft combining PM 1413/1453/1467 received--to inventors for review.
5-1-91	Search results sent to Radulescu.
5-17-91	Inventors' comments sent to Gross.
7-8-91	Second draft sent to inventors for review.
9-5-91	Executed and sent to F&N for filing.

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20201110239

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1414

(Delta/Sigma) FRACTIONATED PLANT EXTRACTS USEFUL AS FLAVORANTS AND ENHANCERS THEREOF AND METHODS FOR PREPARING AND USING THE SAME

Wynn R. Raymond
Flavor Development

Relates to tobacco extracts fractionated to be essentially nicotine-free and to processes for making and using the same.

Schardt/F&N/Hall

12-12-89	Disclosure file opened--to F&N for application preparation.
1-10-90	Meeting with Karaffa and inventor.
3-29-90	In-house propr art search forwarded to Karaffa.
4-9-90	Inventor's comments on search forwarded to Karaffa.
6-15-90	Meeting with Bauman/Raymond.
7-27-90	Additional info forwarded to Bauman.
12-18-90	1st draft sent to inventor for review.
1-29-91	Inventor's comments sent to Bauman.
5-17-91	2nd draft received--to inventor for review.
8-9-91	Inventor's comments discussed by phone with Hall.
9-19-91	3rd draft sent to inventors for review.
10-8-91	Inventor's comments sent to Hall.

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2020110240

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1415

(Cast Sheet) RECONSTITUTED TOBACCO SHEETS AND METHODS FOR PRODUCING AND USING THE SAME

G. Gelltaly
Tobacco Materials

Relates to reconstituted tobacco sheets having improved quality and survivability due to an optimization of a mean tobacco particle size and a reduction in the air content of the slurry prior to casting the slurry into tobacco sheets.

Glenn/F&N/McCabe

12-12-89	Disclosure file opened--to F&N for application preparation.
1-11-90	Meeting with Karaffa and Gellatly.
2-8-90	In-house search results forwarded to Karaffa.
2-22-90	Additional info forwarded to Karaffa.
6-15-90	Meeting with Bauman/Gellatly.
6-20-90	References to Gellatly for review; Bauman needs additional data and examples.
9-13-90	Checked status with Gellatly--he is working on examples.
10-16-90	Checked status again with Gellatly--promises info by 19th.
2-18-91	Status inquiry: Gellatly said references and examples provided.
4-18-91	1st draft received--to inventor for review.
7-25-91	2nd draft sent to inventor for review.

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2020110241

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1422

(NET) CONCENTRATED MICROWAVE ENERGY EXPANSION OF TOBACCO

R. A. Tamol
Development Engineering

Glenn/F&N/Bergin

2-14-90	Disclosure file opened--to F&N for application preparation.
2-28-90	Additional info received--forwarded to F&N.
3-8-90	Assigned to Bergin.
5-14-90	Prior art received--forwarded to Tamol for review.
6-21-90	Addendum to search forwarded to Tamol.
8-29-90	Letter from Bergin suggesting meeting with inventor to review art.
11-13-90	Letter from Bergin clarifying that this application is on ***hold*** pending study of prior art in expansion area by us.
1-21-91	Prior art sent to F&N for patentability evaluation and quick filing if opinion favorable.
3-8-91	Bergin to consider drafting claims focused on concentrated microwave treatment of impregnated tobacco.
5-16-91	1st draft sent to Tamol for review.
9-23-91	Status inquiry: more time needed to review draft.

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PM 1423-A (D581)

(Beta) TEMPERATURE SENSOR TYPE FLOW MONITOR DEVICE IN A CIGARETTE

C. T. Higgins
Development Engineering

Temperature sensor type flow meter (or true flow meter).

Glenn/F&N/Bergin

2-14-90	Disclosure file opened--to F&N for application preparation.
3-8-90	Assigned to Bergin.
8-29-90	Letter from Bergin requesting additional information.
9-14-90	Requested C. Higgins to call Bergin to discuss case.
10-17-90	Meeting with Bergin and Higgins.
11-15-90	Divided into A and B files.
1-29-91	Checked status with Bergin--he is working on draft.
9-11-91	Bergin ready to being draft.

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2020110242

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1423-B (D581)

(Beta) CAPACITOR/PIEZOELECTRIC TYPE FLOW MONITOR DEVICE IN A CIGARETTE

C. T. Higgins
Development Engineering

Capacitor and piezoelectric type flow meter.

Glenn/F&N/Bergin

11-15-90	PM 1423 Divided into A and B files.
1-29-91	Checked status with Bergin--he is working on draft.
9-11-91	Bergin ready to being draft.

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PM 1424

(Filter Technology) PAPER FORMED FROM COMBINATION OF CA AND TREATED CELLULOSE FIBERS FOR IMPROVED FILTER EFFICIENCY

Navin Gautam and Robert M. Rogers
Tobacco Materials

See also PM 1503, 1527, D568, D584, D678

Glenn/F&N/Schoneman

2-14-90	Disclosure file opened.
1-28-91	Disclosure to F&N for application preparation.
3-4-91	D568 and D584 sent to F&N for consideration with this and related cases.
5-29-91	Memo to inventors requesting clarification of invention.
7-31-91	In-house search sent to F&N.

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2020110243

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1433

(Manufacturing/Cartier 20) METHOD AND APPARATUS TO ROLL AND FORM THE RADIUSED CORNERS OF A FOUR-CORNERED HINGED LID CIGARETTE PACK INNERFRAME

Donald E. Kennedy
Engineering

Schardt/F&N/Panichi

3-22-90	Patent review meeting; file.
4-5-90	Disclosure file opened.
4-17-90	Disclosure to F&N for application preparation.
8-1-90	Re-assigned to Panichi.
10-22-90	Meeting with Panichi/Kennedy.
10-25-90	Drawings forwarded to Panichi.
5-31-91	Panichi expects to have draft completed by mid-June.
9-6-91	Status inquiry: Panichi preparing draft.

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2020110244

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1434 (D620)

(Manufacturing) INNERFRAME FOR PACKING CIGARETTES OF VARIABLE DIAMETER IN A STANDARD WIDTH PACK

Xuan M. Pham, Jack R. Colgan, and Howard H. Fishburne
Engineering

Relates to an innerframe inserted into a cigarette box for securely retaining a bundle of cigarettes of smaller than standard size circumference in a standard size cigarette box.

See also D623

Schardt/F&N/Panichi

3-22-90	Patent review meeting: file.
4-5-90	Disclosure file opened.
4-17-90	Disclosure to F&N for application preparation.
4-30-90	Assigned to Solomon.
7-23-90	Ad-Pack and POL released 1st quarter 1988.
8-28-90	Letter from C. Smith: re-assigned to Panichi.
10-22-90	Meeting with Panichi/Pham.
10-25-90	Sample and drawing forwarded to Panichi.
5-31-91	Panichi expects to have draft completed by mid-June.
8-27-91	1st draft sent to inventors for review.
9-30-91	Inventors' comments sent to Panichi.
10-11-91	Revised application received--ready to execute.

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PM 1439

(Paper Technology) FILLER MIXTURE FOR CIGARETTE PAPER CONSISTING OF $CaCO_3$ PARTICLES COATED WITH SOL-GEL "MAG CARBONATE"

A. G. Kallianos
Chemical Research

Schardt/F&N/Hintz

3-22-90	Patent review meeting: file.
4-5-90	Disclosure file opened--to F&N for application preparation.
11-20-90	Letter from Hintz to Kallianos requesting additional information.
3-6-91	Kallianos indicates another two months will be needed to evaluate new coating technology.
9-23-91	Status inquiry: additional time required to complete experimental work.

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2020110245

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1441

(Paper Technology) TREATMENT OF $Mg(OH)_2$ CONTAINING CIGARETTES OR CIGARETTE PAPERS TO OBTAIN PARTIAL CONVERSION OF $Mg(OH)_2$ TO HYDROMAGNESITE, AND/OR MAGNESITE

J. Fournier and J. Seeman
Chemical Research

See also PM 1494, 1444, 1466, and 1511

Glenn/F&N/Morris

3-22-90	Patent review meeting: file.
4-5-90	Disclosure file opened--to F&N for application preparation.
4-18-90	Assigned to Schneider; additional info requested.
4-26-90	Prior art and related PM disclosures forwarded to Schneider.
5-24-90	Meeting with Schneider/inventors.
10-2-90	Schneider instructed to put on ***hold*** for now--more work needs to be done by inventors.
2-13-91	Status inquiry - work still in progress.
7-11-91	Reassigned to Morris.
7-17-91	Status inquiry: Seeman advises information not yet ready.

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20201110246

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1445

MACHINE VISION CIGARETTE INSPECTION DEVICE

J. S. Osmalov
Tobacco Processing and Fabrication

Relates to an apparatus and method for the inspection of cigarettes using a rolling drum and a rolling block to expose nearly 360 degrees of a cigarette for a machine vision system to view cigarettes at two positions.

See also PM 1470

Schardt/F&N/Krasnow

3-22-90	Patent review meeting: file.
4-5-90	Disclosure file opened--to F&N for application preparation.
4-17-90	Assigned to Brandt--search suggested.
5-11-90	Photos/sketches requested from Osmalov.
6-22-90	Photos/sketches forwarded to C. Smith.
7-25-90	Patentability opinion for related case PM 1470 to Osmalov.
11-14-90	Letter from C. Smith: assigned to Krasnow for review with PM 1470.
2-4-91	Meeting with Krasnow/Osmalov.
7-29-91	1st draft sent to Osmalov.
9-19-91	F&N instructed to ***expedite.***
9-26-91	Status inquiry to Osmalov.

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2020110247

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1457 (D656)

(Sigma) METHOD FOR ORIENTING CYLINDRICAL COMPONENTS WITH ONE CAPPED END

Bill J. Keen
Engineering

Relates to a mechanism for orienting cylindrical components having one capped end and one open end comprising six drums which are aligned in a staggered formation.

See also PM 1506

Glenn/F&N/McCabe

5-17-90	Disclosure file opened--to F&N for application preparation.
6-6-90	Letter to C. Smith: conduct novelty search.
10-23-90	C. Smith called to say search complete and report being prepared; references forwarded to Keen by Bauman for review and comment.
11-16-90	Patentability study completed; should be possible to obtain claims of limited scope--Bauman will proceed with application preparation..
1-2-91	F&N instructed to proceed with application preparation.
3-19-91	Drawings requested from Keen.
4-3-91	Keen/McCabe discussed drawings--McCabe will have them done.
5-31-91	McCabe working on draft--expects to have it completed in near future.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1458

(Sigma) METHOD AND APPARATUS FOR CUTTING, FORMING AND INSERTING CUPS INTO TUBES

Terry Babbitt, Mike Braunshteyn, A. J. Gillespie, Don H. Jones, Bill J. Keen, Robert H. Raynor, and Ray Ritt, and R. E. Talley
Engineering

Relates to a method and apparatus for cutting aluminum disks out of a continually advancing strip of aluminum, forming the disks into cups, and maneuvering and inserting the cups into the ends of tubes.

Glenn/F&N/Horowitz

5-17-90	Disclosure file opened--to F&N for application preparation.
6-29-90	Meeting with Isackson/inventors.
7-10-90	Additional information forwarded to F&N; F&N instructed to conduct novelty search.
9-17-90	Checked status with Isackson--he is waiting for search results.
10-17-90	Letter from C. Smith: search results should be in this week.
11-16-90	Novelty search completed; claims of reasonable scope should be allowed--Isackson will proceed with application preparation.
4-22-91	1st draft received--to inventors for review.
6-1-91	Reassigned to Horowitz.
8-1-91	Inventors' comments sent to Horowitz.
10-8-91	Revised application received--ready to execute.

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20201010249

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1461

(NET) LOW PRESSURE/TEMPERATURE TOBACCO IMPREGNATION

Joe Dobbs and K. Cho
Physical Research

Glenn/F&N/McCabe

5-17-90	Disclosure file opened--to F&N for application preparation.
6-5-90	Meeting with inventors/Ingerman--additional info needed.
9-18-90	Letter from McCabe: research promised at 6/5 meeting completed yet?
11-13-90	Meeting with Ingerman/McCabe/inventors.
2-25-91	Meeting with McCabe/inventors.
3-8-91	Letter from C. Smith: additional research required to define operating conditions.
9-23-91	Status inquiry: additional time needed to complete additional research.

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PM 1462

(NET) CONTINUOUS IMPREGNATION AND EXPANSION PROCESSES FOR TOBACCO

K. H. Cho
Physical Research

Glenn/F&N/McCabe

5-17-90	Disclosure file opened--to F&N for application preparation.
6-5-90	Meeting with inventors/Ingerman--additional info needed.
9-18-90	Letter from McCabe: research promised at 6/5 meeting completed yet?
11-13-90	Meeting with Ingerman/McCabe/inventors.
2-25-91	Meeting with McCabe/inventors.
3-8-91	Letter from C. Smith: being reviewed re PM 1500--*low priority*.

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2020110250

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1463

(NET) SEMI-CONTINUOUS GASEOUS IMPREGNATION AND EXPANSION PROCESSES FOR TOBACCO

K. H. Cho and Joe Dobbs
Physical Research

Glenn/F&N/McCabe

5-17-90	Disclosure file opened--to F&N for application preparation.
6-5-90	Meeting with inventors/Ingerman.
9-18-90	Letter from McCabe: research promised at 6/5 meeting completed yet?
11-13-90	Meeting with Ingerman/McCabe/inventors.
1-24-91	Additional information sent to McCabe.
2-25-91	Meeting with McCabe/inventors.
3-8-91	Letter from C. Smith: draft application will be prepared.
9-5-91	Letter from McCabe: has this design been superceded by design of PM 1639?

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PM 1465 (D649)

C. R. Hayward and J. O. Lephardt

(FACT) ACID-CONTAINING FILTERS FOR IMPROVING AIR QUALITY

Relates to filter materials which have been coated with an acid for use in indoor air quality control systems to remove cigarette gas phase components and other pollutants.

Glenn/F&N/Gross

5-17-90	Disclosure to F&N for application preparation.
2-1-91	1st draft received.
2-15-91	Meeting with inventors/Gross/Radulescu.
4-24-91	2nd draft received--to inventors for review.
5-2-91	In-house search results sent to Gross.
5-16-91	Inventors need additional time to review draft.
9-23-91	Status inquiry: additional time required to review draft.

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20201025

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1468

(Beta) HEATING ELEMENT FOR AN ELECTRICALLY-HEATED SMOKING ARTICLE

Chuck Higgins, M. R. Hajaligol, Mike Watkins, B. E. Waymack, and S. Yi
Development Engineering

Relates to a smoking article in which a flavor-generating medium, for example tobacco, is heated electrically to produce a flavor-containing aerosol.

Glenn/F&N/Bergin

5-17-90	Disclosure file opened--to F&N for application preparation.
6-20-90	Meeting with deBlasi/Higgins.
9-5-90	Higgins advises to proceed without further information--F&N will draft application and also claim smoking article w/flexible heater.
10-2-90	PM 1495 combined herewith; additional info forwarded to deBlasi.
3-11-91	Background search sent to deBlasi.
4-22-91	Status inquiry sent to deBlasi.
5-21-91	Letter from C. Smith: reassigned to Bergin with instructions to expedite.
8-29-91	1st draft received - to inventors for review.
9-13-91	2nd draft sent to inventors for review.
10-15-91	Inventors' comments sent to F&N.

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2020110252

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1470

HIGH SPEED ON-LINE 360° SURFACE DEFECT INSPECTION OF CIGARETTES

H. Longest
Engineering

See also PM 1445

Schardt/F&N/Mathews

5-17-90	Disclosure file opened--to F&N for application preparation.
6-14-90	Meeting with Krasnow/Longest.
6-28-90	Patentability opinion: meaningful coverage would be difficult.
7-25-90	Opinion to E. Richardson.
11-14-90	Letter from C. Smith: Krasnow to review with PM 1470.
1-9-91	Status inquiry from C. Smith.
2-4-91	Meeting with Krasnow/Longest; additional information needed.
5-9-91	Additional information requested from inventor.
6-12-91	Additional information sent to Krasnow.
7-2-91	Reassigned to John Mathews with instructions to expedite.
7-16-91	Meeting with Mathews/Longest.
9-19-91	F&N instructed to ***expedite***.

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PM 1478 (D608)

SOL GEL ENCAPSULATION OF A CHEMICAL HEAT SOURCE

S. C. Deevi
Physical Research

Refers to encapsulating a chemical heat source with a sol-gel which protects the heat source from ambient conditions. The sol-gel is applied as a thin coating solely on the exterior of the heat source.

Schardt/F&N/Gross

6-12-90	Disclosure file opened. F&N proceeding with application based on favorable patentability opinion.
11-20-90	Meeting with Deevi/Boyer.
1-9-91	Status inquiry from Gross; informed her to proceed.
9-10-91	Status inquiry: Gross will work on this application when 1512 has been completed.

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20201102S3

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1479 (D680, D732) *** FILED ***

(Tomorrow) SMOKING ARTICLE WRAPPER FOR CONTROLLING BURN RATE AND METHOD FOR MAKING SAME

S. D. Baldwin, N. Gautam, K. S. Houghton, R. M. Rogers, J. L. Ryder
Chemical Research

Relates to the control of the burn rate of a cigarette. The burn rate is controlled by the use of a paper wrapper to which regions of cellulosic material is applied and bonded. The cellulosic material is applied during a manufacturing step for the base paper wrapper, either off or on-line of the paper wrapper-forming machine.

Schardt/F&N/Gross

6-26-90	Disclosure file opened.
7-13-90	Disclosure to F&N for application preparation.
1-7-91	1st draft sent to Baldwin for review.
3-19-91	Related prior art sent to F&N.
5-28-91	D732 combined herewith.
5-29-91	Meeting with Baldwin/Gross.
7-10-91	Additional information sent to Gross.
7-22-91	2nd draft sent to Baldwin.
9-10-91	Filed in PTO.

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PM 1482

(Beta) HEATER FOR A FLAVOR GENERATOR
B. J. Keen and Grier Fleischaurer

Improved electrical heater for flavor generator which can heat a plurality of individual flavor beds individually without significantly affecting the neighboring flavor beds.

Schardt/F&N/Radulescu

6-29-90	Disclosure file opened--to F&N for application preparation.
8-21-90	Meeting with Schneider/inventors.
9-6-90	Heater array model forwarded to F&N.
3-14-91	1st draft received--to inventors for review.
4-10-91	Inventors' comments sent to Schneider.
4-19-91	Reassigned to deBlasi.
9-9-91	Reassigned to Radulescu.
10-1-91	2nd draft sent to inventors for review.

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20201102S4

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1494 (D690)

NOVEL FILLERS FOR SMOKING ARTICLE WRAPPERS AND METHOD FOR MAKING SAME

J. Fournier, A. Kallianos, J. Paine, K. F. Podraza, and J. Seeman
Chemical Research

Relates to novel compounds which may be used as fillers for smoking article wrappers and a method for making them.

See also PM 1444, 1441, 1466, and 1511

Glenn/F&N/Morris

8-16-90	Disclosure file opened--to F&N for application preparation.
9-7-90	Related art forwarded to Wilson.
9-11-90	Reassigned to Schneider.
9-20-90	Meeting with Schneider/Podraza.
9-26-90	Data and examples forwarded to Schneider.
12-6-90	1st draft to inventors for review.
1-17-91	Checked status with inventors--still reviewing.
2-26-91	Inventors' comments sent to Schneider.
3-13-91	2nd draft received--to inventors for review.
4-1-91	Reassigned to Clay Wilson.
6-4-91	May be included in a CIP to to PM1444.
7-15-91	3rd draft sent to inventors for review.
8-22-91	Inventors' comments sent to Morris.

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2020110255

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1500 - D693

(NET) HIGH PRESSURE VALVE

K. H. Cho
Tobacco Fundamentals

Glenn/F&N/McCabe

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
10-4-90	Assigned to Ingerman; novelty search instituted.
1-10-91	Search results received.
2-25-91	Meeting with McCabe/inventors.
3-8-91	Letter from C. Smith: waiting for copies of valve drawings and detailed description of valve operation.
5-16-91	In-house search results sent to McCabe/inventor for review.
6-10-91	Additional data sent to McCabe.

*****

PM 1501 (D694)

(BETA) LOW MASS RADIAL ARRAY HEATER FOR FLAVOR GENERATING ARTICLE

E. C. Grollimund and F. M. Sprinkel
Physical Research

It is an object of this invention to provide a heating element for a flavor generating article which provides heat to a maximum area of flavor generating medium by having a current density profile which would maximize the area of heat distribution. The heating element is a radial array of U-shaped blades which have only rounded corners so as to eliminate hot-spots.

Glenn/F&N/Ingerman/Schoneman

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
11-13-90	Meeting with Ingerman/Schoneman/inventors.
2-28-91	1st draft received--to inventors for review.
4-8-91	Inventors' comments sent to F&N.
6-20-91	Additional information sent to Ingerman.
7-29-91	In-house search results sent to Ingerman.
9-4-91	2nd draft to inventors for review.
9-16-91	Inventors' comments sent to Ingerman.

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2020110256

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1502

(Paper Technology) USE OF VERY HIGH SURFACE AREA MAGNESIUM CARBONATE AS FILLER FOR LOW SIDESTREAM PAPERS

A. Kallianos and J. Paine
Chemical Research

Glenn/F&N/Morris

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
6-4-91	May be included in CIP to PM 1444.
6-14-91	Search results sent to Morris.

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PM 1503

(Filter Technology) FILTER ROD MADE FROM WEB CONSTRUCTED FROM CUT CELLULOSE ACETATE FIBERS AND CELLULON

Navin Gautam, Ken Newman, and R. M. Rogers
Tobacco Materials/Alonso/Burnley

See also PM 1424, 1527, D568, D584, D678

Glenn/F&N/Ingerman/Schoneman

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
11-13-90	Meeting with Ingerman/Schoneman/inventors.
1-29-91	Checked status with Ingerman: waiting for new data.
5-31-91	Additional information sent to Schoneman for consideration re inventorship.
7-31-91	In-house search results sent to F&N.

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2020110257

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1504

PNEUMATIC CONVEYING OF FILTER RODS PERPENDICULAR TO THEIR AXIS

Gary Atwell, Drew Gillespie, Bill Keen, and George Reid
Engineering

Schardt/F&N/Krasnow

9-18-90	Disclosure file opened--to F&N for application preparation.
10-1-90	Letter from C. Smith: have Beverly do search.
1-23-91	Letter from Krasnow: waiting for search results.
5-1-91	Letter from Krasnow: waiting for search results.
5-10-91	In-house search sent to Krasnow.
5-31-91	Krasnow to begin working on draft in early June.

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PM 1505

VERTICAL DRUM TRANSFER OF CIGARETTES TO ALLOW FOR SEPARATE INSPECTION AND REJECTION STATIONS

Gary Atwell and Drew Gillespie
Engineering

Schardt/F&N/Krasnow

9-18-90	Disclosure file opened--to F&N for application preparation.
10-1-90	Letter from C. Smith: have Beverly do search.
2-4-91	Meeting with Krasnow/Atwell.
9-19-91	F&N instructed to expedite.
9-27-91	Prior art to inventors for review--they will call Krasnow to discuss.
10-16-91	Atwell has discussed case with Krasnow.

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2020110258

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1506

(Cartier)

Bill Keen
Engineering/Keen/Taylor

See also PM 1457

Schardt/F&N/Krasnow

9-18-90	Disclosure file opened--to F&N for application preparation.
10-1-90	Letter from C. Smith: have Beverly do search.
1-23-91	Letter from Krasnow: waiting for search results.
5-1-91	Letter from Krasnow: waiting for search results.
5-13-91	In-house search results sent to Krasnow.
5-31-91	Krasnow reviewed patentability and expects to have report completed in early June.

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PM 1507

(Optical Inspection) HIGH SPEED, HIGH RESOLUTION WEB INSPECTION SYSTEM

Cary Longest, R. Moffitt, W. R. Sweeney
Engineering

Glenn/F&N/Ingerman/Schoneman

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
11-13-90	Meeting with Ingerman/Schoneman/inventors.
6-20-91	1st draft received.

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20201025

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1508

(NET) METHOD FOR THE EXPANSION OF TOBACCO

Walt Nichols
Tobacco Fundamentals

Glenn/F&N/Ingerman/Schoeneman

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
11-13-90	Meeting with Ingerman/Nichols--draft in preparation.
6-21-91	Draft will be completed as soon as inventor comments on draft for PM 1510.

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PM 1509

(NET) METHOD FOR THE CONTINUOUS IMPREGNATION OF TOBACCO WITH A GAS OR LIQUID

Walt Nichols
Tobacco Fundamentals

Glenn/F&N/Ingerman/Chen

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
11-13-90	Meeting with Ingerman/Nichols--draft in prepration.
6-21-91	Draft will be completed as soon as inventor comments on draft for PM 1510.

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PM 1510

(NET) METHOD FOR THE EXPANSION OF TOBACCO

Walt Nichols
Tobacco Fundamentals

Glenn/F&N/Ingerman/Chen

9-18-90	Disclosure file opened.
9-27-90	Disclosure to F&N for application preparation.
11-13-90	Meeting with Ingerman/Nichols.
5-23-91	1st draft sent to inventor for review.

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2020110260

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1511

MAGNESITE-MAGNESIUM HYDROXIDE FILLERS FOR SMOKING ARTICLE WRAPPERS

J. A. Fournier, A. G. Kallianos, J. B. Paine, K. F. Podraza and J. I. Seeman
Chemical Research

Novel fillers for smoking article wrappers comprising magnesite-magnesium hydroxide complexes. Smoking articles employing wrappers containing the fillers of the invention exhibit significantly reduced sidestream smoke.

See also PM 1441, 1444, 1466, and 1494

Glenn/F&N/Wilson

9-24-90	Disclosure file opened.
10-3-90	Disclosure to F&N for application preparation.
10-5-90	Experimental data forwarded to Schneider.
12-5-90	1st draft to inventors for review.
1-17-91	Checked status with inventors--still reviewing draft.
3-6-91	Fournier indicates another two months needed to obtain the data needed for the application.
5-23-91	Inventors comments on draft forwarded to Wilson.
6-21-91	Revised application received.
7-29-91	Inventors' comments sent to Morris.
9-9-91	2nd draft sent to inventors for review.
9-23-91	Inventors' comments sent to F&N.
10-1-91	3rd draft received.
10-8-91	4th draft received.
10-21-91	Inventors' comments on draft and references and examples sent to F&N.

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2020110261

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1512

(Beta) IMPROVED CARBONACEOUS HEAT SOURCE

D. M. Schleich (Polytechnic University)

This invention relates to an improved carbonaceous heat source and to the conversion of gaseous by-products, such as carbon monoxide, produced by the combustion of the carbonaceous heat source.

Schardt/F&N/Loring/Gross

9-26-90	Disclosure file opened--file immediately per Lilly; assigned to F&N who will contact Schleich direct to get data--***HIGH PRIORITY.***
11-30-90	Additional information forwarded to Loring.
1-31-91	Draft application sent to Schleich for review.
9-10-91	Status inquiry: Deevi reviewing draft application.

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PM 1513 (D677)

PINLESS BELT FEEDER

B. Eugene Bailey and W. Randy Sweeney
Engineering

Device for volumetric flow control of particulate and fiber-like materials. Particularly useful for transporting high moisture, finely sliced tobacco between storage and processing.

Schardt/F&N/Wilson

10-27-90	Patentability evaluation completed--F&N to proceed with application preparation.
11-27-90	Wilson discussed by phone with inventors/JES.
2-27-91	Wilson instructed to proceed with application.
7-2-91	Meeting with Wilson/inventors.
9-19-91	2nd draft sent to inventors for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1517 (D712, D771)

(Beta) METHOD AND APPARATUS TO PRODUCE AEROSOLS FROM LIQUIDS

F. M. Sprinkel
Physical Research

The production of aerosols from discrete, preseparated amounts of liquid(s) is disclosed. The preseparated packets of liquid can be packaged into definite sets for production of puffs of aerosol.

Glenn/F&N/Miraglia

11-13-90	Disclosure file opened--to F&N for application preparation.
12-10-90	Assigned to Loretta Miraglia.
1-14-91	Miraglia called to request additional info.
1-25-91	Additional info in the form of D771 disclosure sent to F&N.
4-9-91	PM 1554 combined herewith.
4-18-91	Additional information and comments on draft sent to Miraglia.
7-23-91	In-house search results sent to Miraglia.
7-25-91	Inventor's comments on 1st draft sent to Miraglia.

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PM 1519

(Ripper System Development) MULTIPLE RIPPER CLOSED LOOP RECIRCULATING AIR ARRANGEMENT

Everett Patterson
Engineering

Schardt/F&N/Horowitz

11-13-90	Disclosure file opened--to F&N for application preparation.
2-21-91	Meeting with Brook/Patterson.
2-26-91	Prior art search results sent to Brook.
8-7-91	Meeting with Horowitz/Patterson.
9-5-91	Reminder to Patterson--waiting for drawings.
9-25-91	Drawings sent to Horowitz.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1521

(Tomorrow) DUAL PAPER LAYER TECHNOLOGY FOR CONTROL OF BURN PROPENSITY

Al Collins, Bill Keen, George Reid, Ray Ritt, Bill Stevens, Pete Talley, and Howard Vogt
Engineering

Glenn/F&N/Miraglia

11-13-90	Disclosure file opened--to F&N for application preparation--*HIGH PRIORITY*.
1-28-91	Letter from Hubbard: novelty search underway.
3-19-91	In-house search results sent to Hubbard.
9-25-91	Miraglia to call Vogt for additional information.

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PM 1526

(Cartier) ROUNDED END CIGARETTE BOX

D. H. Evers

Relates to a rounded end hinged top cigarette box and a blank for forming the same. The cigarette box includes an inner and outer sleeve and inner and outer oval-shaped end flaps on both ends.

Glenn/F&N/Cassingham

12-1-90	Disclosure to F&N for search and evaluation.
1-18-91	Additional info sent to F&N.
1-30-91	Infringement opinion from F&N: would not infringe.
3-15-91	Cassingham instructed to proceed with patentability search.
7-22-91	Favorable patentability opinion--F&N will proceed with application preparation.
9-19-91	1st draft sent to Evers for review.
10-1-91	Evers' comments received.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1527

(Filter Technology) CIGARETTE FILTER PAPER WEB PRODUCT

N. Gautam, R. Rogers, and D. Simpson
Cigarette Technology

Sheet of paper that combines cut cellulose acetate and/or partially acetylated cellulose and/or cellulose plus a new material--partially acetylated high surface area cellulose.

Related to PM 1424, 1503, D568, D584, D678

Glenn/F&N/Schoneman

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened.
1-28-91	Disclosure to F&N for application preparation.
5-29-91	Memo to inventors requesting clarification of invention and possible inclusion of D678 herein.
7-31-91	In-house search sent to F&N.

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PM 1528 (D757) ***** INACTIVE *****

(Tomorrow) MACHINE FOR PRODUCTION OF BANDED CIGARETTE PAPER

B. Keen, R. Ritt, J. Ryder, W. H. Steven, H. W. Vogt
Cigarette Technology

Preformed cigarette paper to which cellulose without a binder such as carboxymethyl cellulose or hydroxypropyl cellulose is applied in patterns (bands). This technique and these materials would require no binder to cause adherence to the paper. Mass burn rate is effectively controlled with a relatively easy application technique.

Glenn/F&N/Hubbard

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-25-91	Assigned to Hubbard--novelty search initiated.
6-28-91	Patentability opinion received--difficult to obtain claims of reasonable commercial scope.
8-26-91	Inventors notified re results of opinion--inactivated.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1529 (D733)

(Beta) PROCESS FOR PRODUCING A HEATER WITH DISCRETE HEATING ZONES ON PAPER

S. C. Deevi and D. Kellogg
Physical Research

Provides a method for fabricating a heater on a paper substrate for use as part of a smoking device.

See also D687, PM 1569, PM 1613

Glenn/F&N/Matthews

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation: ***HIGH PRIORITY***
2-6-91	Meeting with Matthews/Deevi.
3-4-91	D687 to F&N for possible inclusion in this case.
4-18-91	Background art forwarded to Matthews.
6-7-91	1st draft sent to inventors for review.

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PM 1530 (D734)

(Paper Technology) PREPARATION OF NOVEL COMPOSITIONS FOR USE AS FILLER FOR CIGARETTE PAPERS

G. H. Bokelman, J. Fournier, A. Kallianos, J. Paine, K. Podraza, J. Seeman

Preparation of novel compositions for use as filler for cigarette papers, which comprise calcium carbonate, coprecipitated with magnesium hydroxide, magnesium carbonates and/or basic magnesium carbonates. Since all of the products of the reaction are insoluble, only minimal washing of the precipitate is required afterward, thereby minimizing processing costs and solubility losses.

Glenn/F&N/Hintz

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
2-6-91	Outside search initiated by Nix.
5-3-91	Search results received--sent to inventors for review.
5-10-91	Put on ***hold***--inventors working on additional data--expected to be ready in three months or so.
9-23-91	Status inquiry: additional time needed to gather additional data.

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2020110266

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1532 (D737)

(Project Tomorrow) BANDED PAPER WRAPPER FOR CONTROLLING IGNITION PROPENSITIES OF SMOKING ARTICLES

E. B. Sanders

Wrapper construction using conventional materials and with slowing the manufacturing speed for smoking articles in which the ignition propensity of the smoking article is controlled without affecting the desirable properties of the smoking article.

Glenn/F&N/Panichi

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-23-91	Assigned to Panichi.
3-19-91	Prior art sent to F&N.
9-6-91	Status inquiry: C. Smith reports that application in preparation.
9-26-91	1st draft received.
10-7-91	1st draft sent to Sanders for review.

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PM 1533 (D738)

(Project Tomorrow) WRAPPER WITH BL SHEET BANDS FOR CONTROLLING IGNITION PROPENSITIES OF SMOKING ARTICLES

E. B. Sanders

Wrapper construction using conventional materials and with slowing the manufacturing speed for smoking articles in which the ignition propensity of the smoking article is controlled without affecting the desirable properties of the smoking article and in which the subjective properties of the article are improved.

Glenn/F&N/Panichi

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-23-91	Assigned to Panichi.
3-19-91	Prior art sent to F&N.
9-6-91	Status inquiry: C. Smith reports that application in preparation.
9-26-91	1st draft received.
10-7-91	1st draft sent to Sanders for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1534

(D. H. Max) DEVICE FOR HIGH SPEED DELIVERY OF PARTICULATE MATERIAL

C. G. Atwell, M. D. Belcastro, J. F. Budjinski, M. T. Garthaffner
Engineering

Relates to a device having wheels which provide position and drive for a belt or belts conveying apertures for channelling particulate material. Particularly useful for inserting charcoal into cigarette filters in the manufacture of cigarettes.

See also PM 1563

Glenn/F&N/Wilson

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-25-91	Letter from Wilson: waiting for drawings from Atwell.
2-25-91	PM 1520 combined herewith.
3-25-91	1st draft received--to inventors for review.
7-2-91	Meeting with Wilson/inventors.
9-19-91	2nd draft to inventors for review.

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PM 1535 (D743)

(D. H. Max) ALIGNMENT OF FILTER AND CIGARETTE COMPONENTS

M. T. Garthaffner and R. Honaker
Engineering

Method and apparatus for alignment of filter components to product charcoal filter cigarettes without combining machine. Keeps the gap between the cigarette and filter components to 5mm or less which is needed to assemble final product; especially when components are short.

Glenn/F&N/Brook

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
2-21-91	Meeting with Brook/Garthaffner/Honaker.
5-29-91	Meeting with inventors/Brook.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1537 (D746)

(Delta/Sigma) PAPER WEB SLITTER

M. T. Garthaffner
Engineering

Allows tipping paper web to be slit cleanly immediately prior to application to cigarette components. This allows precise alignment to cigarette components with a clean edge that will be inserted in smoker's mouth. Thus end product is not visually and orally objectionable.

Glenn/F&N/Shulman

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-23-91	Assigned to Doreen Shulman--novelty search initiated.
3-7-91	Letter from C. Smith: novelty search report in hand--Panichi considering prior art.

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PM 1538 (D747) *** INACTIVE ***

(Pack Coupon for FT Box) METHOD AND APPARATUS FOR PACKAGE INNERFRAME/INFORMATION AREA MODULE

J. J. Fleenor and J. B. Draucker
Engineering

A cigarette pack innerframe including one or more additional surface areas which can be used for a coupon or other information. The additional area is easily viewed and detachable.

See also PM 1484, 1484II, 1581

Glenn/F&N/Nix

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-23-91	Patentability search initiated by Nix.
3-1-91	Search results received.
4-30-91	Patentability opinion: protection of reasonable commercial scope is not likely.
9-11-91	On hold until determination made about whether or not to proceed.
10-8-91	Inactivated.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1539 (D748, D749)

(Project Tomorrow) STRIP APPLICATION

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Allows for placement of cut strips or patches of paper in an alternating pattern onto a continuously moving web of paper, during the manufacture of cigarettes.

Schardt/F&N/Ingerman/Hintz

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-30-91	Meeting with Ingerman/Vogt.
2-26-91	1st draft sent to inventors for review.
5-22-91	Letter from C. Smith: Ingerman preparing revised draft applications based on comments from Gary Long of Shook Hardy.
8-14-91	Inventors' comments on draft sent to Ingerman.
9-10-91	2nd draft sent to Vogt for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1540 (D750, D751, D752)

(Project Tomorrow) SAPPARATUS AND METHOD FOR LAMINATING PATCHES OF A FIRST WEB MATERIAL ONTO A SECOND WEB MATERIAL

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Apparatus and a method for laminating patches to a base web accurately, and as efficiently as possible, are provided. A web of patch material and the base web are advanced together in parallel, and patches are removed from the web of patch material and transferred to the base web. The method and apparatus are useful in producing banded cigarette paper.

Schardt/F&N/Ingerman/Hintz

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-30-91	Meeting with Ingerman/Vogt.
2-13-91	1st draft sent to inventors for review.
5-22-91	Letter from C. Smith: Ingerman preparing revised draft applications based on comments from Gary Long of Shook Hardy.
7-18-91	Status inquiry sent to Keen.
8-14-91	Inventors' comments on draft sent to Ingerman.
9-10-91	2nd draft sent to Vogt for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1541

(Project Tomorrow) APPARATUS AND METHOD FOR LAMINATING STRIPS OF A FIRST WEB MATERIAL ONTO A SECOND WEB MATERIAL

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Apparatus and a method for laminating strips of a first web material onto a second web material are provided. Strips of the first web material are carried across the second web material by single or multiple loom-type shuttles from single or multiple reels.

Schardt/F&N/Ingerman/Hintz

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-30-91	Meeting with Ingerman/Vogt.
2-12-91	First draft sent to inventors for review.
5-22-91	Letter from C. Smith: Ingerman preparing revised draft applications based on comments from Gary Long of Shook Hardy.
7-18-91	Status inquiry sent to Keen.
8-14-91	Inventors' comments on draft sent to Ingerman.
9-10-91	2nd draft sent to Vogt for review.

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PM 1542 (D755)

(Project Tomorrow) SMOKING ARTICLE WRAPPER AND APPARATUS AND METHOD FOR MAKING SAME

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Relates to cigarette wrappers which modify the burn rate of the cigarette and to an apparatus and method for efficiently producing such wrappers in commercial quantities.

Schardt/F&N/Radulescu

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
4-24-91	1st draft received--to inventors for review.
7-18-91	Status inquiry sent to Keen.
8-14-91	Inventors' comments on draft sent to Ingerman.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1543

(Project Tomorrow) CAPILLARY ROLLER SLURRY APPLICATION METHOD

B. J. Keen, R. R. Ritt, W. H. Stevens, and H. W. Vogt
Engineering

Simple application method of putting a material on a moving web.

Schardt/F&N/Krasnow

12-13-90	Patent review meeting; file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-18-91	Assigned to Krasnow.

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PM 1544

(Beta - Disposable Heater) REINFORCED TUBULAR BLADE HEATER FOR FLAVOR GENERATING ARTICLE

B. J. Keen, G. S. Fleischhauer, S. Deevi
Engineering

Relates to electric heating elements arranged in a tubular array used to heat a flavor generating medium in a flavor generating article.

Glenn/F&N/Ingerman

12-13-90	Patent review meeting: file.
1-30-91	Meeting with Ingerman/inventors.
4-3-91	1st draft received--to inventors for review.
7-8-91	Inventors' comments sent to Ingerman.
8-12-91	2nd draft sent to inventors for review.
9-6-91	Inventors' comments sent to F&N - Deevi added as inventor.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1545 (no D #)

(Beta) ELECTRONIC CIRCUIT TO CONTROL OPERATION OF BETA ARTICLE

C. T. Higgins and H. McCafferty
Physical Research

Schardt/F&N/Mathews

1-11-91	Disclosure received--pursue without committee review per Cliff Lilly.
1-14-91	To F&N for application preparation.
7-18-91	Assigned to Mathews.

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PM 1546 (D688)

(Beta - Disposable Heater) CARBONACEOUS ELECTRICAL RESISTANCE HEATER

S. C. Deevi, Leo Lanzl, J. F. Whidby
Physical Research

Glenn/F&N/Bergin

1-11-91	Pursue without committee re-evaluation per Cliff Lilly.
1-14-91	To F&N for application preparation.
1-18-91	Assigned to deBlasi.
5-21-91	Reassigned to Bergin with instructions to expedite.
8-28-91	F&N considering whether or not to combine 1638 and 1546.
9-18-91	Bergin to prepare this case as a separate application.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1547 (D740)

(Project B&D) SINGLE STRUCTURE REFILLABLE PACK

D. H. Evers and W. C. Harris
Engineering

Schardt/F&N/Hersh

2-22-91	Disclosure file opened--to F&N for application preparation.
3-7-91	Drawings and sample requested from Evers.
3-15-91	Drawings and sample sent to F&N.
3-25-91	Jeff Hersh assigned to case.
4-19-91	In-house search results sent to Hersh.

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PM 1548 (D762)

(Beta) ELECTRIC SMOKING ARTICLE

C. T. Higgins and W. R. Raymond
Physical Research

Glenn/F&N/Radulescu

2-28-91	Disclosure to F&N for application preparation.
3-7-91	Assigned to Farber.
8-2-91	Reassigned to David Radulescu.
9-24-91	Meeting with Radelescu/inventors.
10-15-91	In-house search sent to Radulescu.
10-21-91	Sketches sent to F&N.

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PM 1549 (D763)

(Beta) DESIGN CONCEPT FOR HEATER/AEROSOL GENERATING SYSTEM

W. G. Houck
Physical Research

Glenn/F&N/Nix

2-28-91	Disclosure to F&N for application preparation.
4-12-91	Additional information requested from Houck.
9-24-91	Houck/Glenn meeting to review data.

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2020110275

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1550 (D764)

(Beta) ELECTRIC SMOKING ARTICLE

M. E. Counts
Physical Research

Glenn/F&N/Radulescu

2-28-91	Disclosure to F&N for application preparation.
3-7-91	Assigned to Farber.
8-2-91	Reassigned to David Radulescu.

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PM 1551 (D765)

(Beta/Cast Sheet) APPLICATION OF KONJAC FLOUR AS A BINDER TO PRODUCE A FLEXIBLE TOBACCO SHEET

T. Majewski, H. Stahl, S. E. Wrenn
Physical Research

Glenn/F&N/Storella

2-28-91	Disclosure to F&N for application preparation.
3-8-91	Assigned to Storella; data base search results received for consideration--forwarded to inventors for review.
5-21-91	More detailed disclosure sent to Storella.
9-20-91	Status inquiry: Wrenn still gathering data--waiting for input from Majewski.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1552 (D766)

(Tomorrow-Related) DOUBLE WRAPPED CIGARETTE ROD WITH EMBOSSED INNER WRAP

R. W. Newsome
Cigarette Technology

Related to D377 and D378

Schardt/F&N/Radulescu

2-22-91	Disclosure file opened--to F&N for application preparation.
3-5-91	Assigned to Gross for consideration of patentability.
9-10-91	Status inquiry: Radulescu to discuss disclosure with Newsome, review prior art and prepare opinion letter.
9-23-91	In-house search results sent to Radulescu; meeting with Radulescu/Newsome.

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PM 1553 (D770) ***** FILED *****

A VOLUMETRIC CHEMICAL REACTION SYSTEM

R. L. Augustine and S. Tanielyan(Seton Hall)

Provides a multipurpose volumetric chemical reaction system which operates at constant pressure and volume, and has electronic automation means for calculating kinetic parameters and a concentration-time plot from the system data output. The automated system is adapted to conduct and monitor either gas-consuming or gas-generating reactions. gas input or gas venting is accomplished in timed constant volume pulses.

Schardt/Depaoli/Giancola

2-22-91	Disclosure file opened--to Depaoli for application preparation.
3-6-91	Giancola instituting patentability search.
4-24-91	Search results received--Augustine preparing additional information.
5-8-91	Additional information provided to Giancola by Augustine.
5-17-91	Meeting with Augustine/Giancola.
6-12-91	1st draft sent to inventors for review.
8-1-91	Draft sent to Lilly for approval.
8-7-91	Depaoli instructed to file.
9-11-91	Filed in PTO.

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20201102?7

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1555 (D773)

(Beta) CONTROL OF DELIVERY OF POWER TO LOAD IN BETA ARTICLE

C. Higgins and H. McCafferty
Physical Research

Glenn/F&N/Nix

2-28-91	Disclosure to F&N for application preparation.
3-11-91	Additional information requested from inventors.
5-29-91	Additional information sent to C. Smith.

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PM 1556 (D776) ***** FILED *****

A FLOW LIQUID-PHASE CHEMICAL REACTION SYSTEM

R. Augustine (Seton Hall)

Provides a flow liquid-phase chemical reaction system for selective conversion of organic compounds with a gas reactant. Has novel means for control of the molar ratio of gas reactant and organic compound dissolved in a solvent medium flowing through a catalyst bed.

Schardt/Depaoli/Giancola

2-22-91	Disclosure file opened--to Depaoli for application preparation.
3-7-91	Additional information requested--patentability evaluation initiated by Depaoli.
4-24-91	Search results received--Augustine preparing additional information.
5-17-91	Meeting with Giancola/Augustine.
6-4-91	1st draft sent to inventor for review.
6-10-91	Revised application received--sent to Lilly for review.
8-7-91	Depaoli instructed to file.
9-11-91	Filed in PTO.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1557 (D777)

ACYLOXYLATION OF ALKYLAROMATIC COMPOUNDS WITH PALLADIUM-TIN CATALYSTS

R. Augustine (Seton Hall)

Process for preparing a surface coprecipitated catalyst with improved activity for carbon monoxide oxidation.

Schardt/Depaoli/Giancola

2-22-91	Disclosure file opened--to Depaoli for application preparation.
3-7-91	Additional information requested.
4-24-91	Search results received--Augustine preparing additional information.
5-13-91	Additional information provided to Giancola by Augustine.
5-17-91	Meeting with Augustine/Giancola.
6-11-91	Search completed--results to be reviewed with inventors by Giancola.
7-25-91	1st draft sent to inventor for review.
8-12-91	Draft sent to Lilly for approval.
8-20-91	Depaoli instructed to proceed with filing.

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PM 1559 (D785)

CIGARETTE HOPPER VANE JAM PREVENTION DEVICE

R. Brinker
Engineering

Schardt/F&N/Cassingham

2-22-91	Disclosure file opened--to F&N for application preparation.
3-7-91	Letter from C. Smith: supplemental illustrations needed in order to institute novelty search.
3-13-91	Additional drawings requested from Brinker.
3-20-91	Drawings and photos sent to C. Smith.
8-28-91	Search results received from F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1560 (D786)

PZ EQUILIBRIUM CONTROL

J. Budjinski, S. Campbell, and T. Ward
Engineering

Schardt/F&N/Brook

2-22-91	Disclosure file opened--to F&N for application preparation.
3-6-91	Letter from C. Smith requesting clarification of invention.
4-16-91	Smith's letter of March 6 sent to Ted Ward for clarification.
5-29-91	Meeting with inventors/Brook.
6-11-91	Ward's comments on Smith's March 6 letter sent to Brook.

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PM 1561 (D788)

ROTARY SIDE SEAM NOZZEL ASSEMBLY

M. Garthaffner
Engineering

Schardt/F&N/Brook

2-22-91	Disclosure file opened--to F&N for application preparation.
3-6-91	F&N conducting novelty search.
8-1-91	On ***hold*** pending feasibility studies.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1562 (D789)

CIGARETTE PACKS WITH RETENTION CUTS TO FACILITATE CONSISTENT LID CLOSURE

W. David and D. Wilder
Engineering

Relates to cigarette packs in the form of boxes which may, for example, have radiused vertical edges.

See also PM 1558

Glenn/F&N/Jackson/Horowitz

2-28-91	Disclosure to F&N for consideration.
3-8-91	Assigned to Jackson for consideration along with PM 1558; patentability search being done.
4-26-91	Search results received--Jackson proceeding with application preparation.
5-13-91	References sent to inventors for review.
5-24-91	1st draft sent to inventors for review.
6-9-91	Inventors' comments sent to F&N.

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PM 1563 (D793)

(D. H. Max) VACUUM ASSIST GARNITURE WITH POROUS TYPE TUBE

J. Budjinski, G. Atwell, and M. Garthaffner
Engineering

See also PM 1520 and 1534

Glenn/F&N/Wilson

2-28-91	Disclosure to F&N for application preparation.
3-7-91	Additional drawings requested.
7-2-91	Meeting with Wilson/inventors.
7-31-91	Marsh report (consultant) sent to F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1564 (D795)

(Beta) PROCESS FOR THE MANUFACTURE OF POROUS CARBON SHEETS

S. C. Deevi
Physical Research

Glenn/F&N/deBlasi

2-21-91	Disclosure file opened--proceed with filing.
3-12-91	Disclosure to F&N for application preparation.
5-30-91	Additional info requested from Deevi.
7-2-91	Additional information sent to F&N.

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PM 1565 (D783)

(Project Ace) TAX-STAMPABLE HALF-CARTON

D. H. Evers
Engineering

Relates to detachable paperboard double half-cartons for cigarette packs in which two attached half-cartons are run through a standard tax-stamping machine and then may be separated for sale as separate, individual half-carton units.

See also PM 1566, 1567, 1568

Schardt/F&N/Hersh

2-21-91	Disclosure file opened--to F&N for application preparation.
3-5-91	Additional info requested from inventor.
3-25-91	Letter from Hersh re drawings for disclosure--sent to Evers for clarification.
3-28-91	Notified F&N to rate ***HIGH PRIORITY.***
4-12-91	Evers' comments on drawings sent to Hersh.
5-30-91	Sample carton blanks sent to Horowitz.
6-21-91	1st draft received--to Evers for review.
7-1-91	Evers' comments sent to Hersh.
7-30-91	2nd draft sent to Evers.

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20201102S2

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1567 (D792) (ACE 600)

(Project Ace) ONE PIECE BLANK THAT FORMS TWO HALF CARTONS

R. E. Talley
Engineering

See also PM 1565, 1566, 1568

Schardt/F&N/Horowitz

2-21-91	Disclosure file opened--to F&N for application preparation.
3-5-91	Additional info requested from inventor.
3-28-91	Notified F&N to rate ***HIGH PRIORITY***.
5-30-91	Patentability opinion: difficult to obtain; sample carton blanks sent to Horowitz.

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PM 1568 (D794) (ACE 8)

(Project Ace) TWO HALF CARTONS JOINED BY GLUE AT TOP FOR PURPOSE OF TAX STAMPING

R. E. Talley and E. Wooldridge
Engineering

See also PM 1565, 1566, 1567

Schardt/F&N/Horowitz

2-21-91	Disclosure file opened--to F&N for application preparation.
3-5-91	Additional info requested from inventors.
3-28-91	Notified F&N to rate ***HIGH PRIORITY***.
5-30-91	Patentability opinion: difficult to obtain.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1569

(Beta) CERAMIC HEATER

S. C. Deevi
Physical Research

See also PM 1529, 1613

Glenn/F&N/Matthews

2-14-91	Patent review meeting: review for inclusion in other Beta cases or file separately.
3-4-91	Disclosure to F&N for application preparation.
4-18-91	Background art sent to Matthews.
5-22-91	Additional info faxed to Matthews.

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PM 1573 (D781)

PROCESS FOR CLEANING CELLULON

S. Baldwin
Cigarette Technology

Glenn/F&N/Gsell

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.
9-17-91	In-house search results sent to F&N.

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PM 1574 (D796)

USE OF LIQUID CARBON DIOXIDE AS SOLVENT MEDIUM AND CARRIER TO APPLY ADDITIVES TO TOBACCO

R. Southwick
Chemical Research

Glenn/F&N/Storella

3-14-91	Patent review meeting: file - broaden to paper and filter.
4-8-91	Disclosure to F&N for application preparation.
5-10-91	Put on ***HOLD*** pending further development work.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1576 (D799)

FILTER FOR SELECTIVE REMOVAL OF HIGHER MOLECULAR WEIGHT COMPONENTS OF MAINSTREAM SMOKE

R. W. Hale
Flavor Development

Glenn/F&N/O'Neill

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.
4-19-91	Letter from C. Smith: novelty search to be done; request for clarification of the invention.
5-6-91	Clarification of disclosure sent to C. Smith.

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PM 1577 (D800)

(Beta) ELECTRIC HEATER-PLUG ASSEMBLY

G. S. Fleischhauer
Physical Research

Glenn/F&N

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.

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PM 1578 (D801)

(Beta) SMOKING ARTICLE COMPRISING MULTITUDE OF SMALL NEEDLE-LIKE ELECTRICAL HEATERS

G. S. Fleischhauer
Physical Research

Glenn/F&N

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1580 (D803)

(Sigma/Delta) PASSAGEWAY DESIGNS FOR SIGMA/DELTA HEAT SOURCES

S. C. Deevi, M. R. Hajaligol, D. S. Kellogg, L. Lanzel, D. B. Losee, B. E. Waymack
Physical Research

Extrusion designs for use in making Sigma/Delta heat sources.

Schardt/F&N/Radulescu

3-14-91	Patent review meeting: file.
3-26-91	Disclosure to F&N for application preparation.
4-3-91	Letter from C. Smith: assigned to Storella who will review in light of existing Sigma/Delta cases.
8-21-91	Reassigned to Radulescu.
10-15-91	Additional information sent to Radulescu.

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PM 1581 (CIP OF PM 1484) (D804) ***** FILED *****

(Pack Coupon for FT Box) CIGARETTE BOX WITH ATTACHED COUPON

D. H. Evers
Package Engineering

See also PM 1538

Glenn/F&N/Jackson

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.
5-22-91	1st draft sent to inventor for review.
6-5-91	Inventor's comments received.
8-5-91	2nd draft received.
8-12-91	Inventor's comments sent to Horowitz.
9-5-91	3rd draft received - to inventor for final review.
9-23-91	Executed documents to F&N for filing.

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2020110286

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1582 (D805)

AUTOMATIC BAGGING OF COMPRESSED CUT TOBACCO

John Tomanovits
Engineering

Glenn/F&N/Panichi

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.
5-6-91	Drawings requested from Tomanovits.
6-4-91	Meeting with Panichi/inventors.
7-31-91	Sample bag sent to Panichi.

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PM 1583 (D806)

(Delta) CIGARETTE TRANSFER DENIAL

M. Belcastro, D. Jones, C. Longest
Engineering

Schardt/F&N/Horowitz

3-15-91	Patent review meeting: file.
3-26-91	Disclosure to F&N for application preparation.
8-7-91	Meeting with Horowitz/inventors.
9-5-91	Reminder to Longest--waiting for drawings.

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PM 1584 (D807)

(Tomorrow/Beta) APPLICATION OF STRIPS OF SLURRY USING A VENTURI SLOT AND A ROTARY AIR VALVE

E. Cutright, R. Reich, and R. Scott of Jewett and H. Vogt
Engineering

Glenn/F&N/O'Neill

3-14-91	Patent review meeting: file - broaden to include Beta.
4-8-91	Disclosure to F&N for application preparation.
4-18-91	Letter from C. Smith: assigned to O'Neill; novelty search instituted.

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2020110287

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1585 (D808)

(Tomorrow/Beta) APPLICATION OF STRIPS OF SLURRY VIA A MOVING BELT ANGLED TO THE DIRECTION OF FLOW OF A PAPER WEB

E. Cutright and R. Scott of Jewett and H. Vogt
Engineering

Glenn/F&N/O'Neill

3-14-91	Patent review meeting: file - broaden to include Beta.
4-8-91	Disclosure to F&N for application preparation.
10-11-91	F&N instructed to expedite.
10-16-91	Meeting with O'Neill/inventors.

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PM 1586 (D809)

(Tomorrow/Beta) DISPLACEMENT TRANSFER OF SLURRY TO A MOVING PAPER WEB

E. Cutright and R. Scott of Jewett and H. Vogt
Engineering

Glenn/F&N/O'Neill

3-14-91	Patent review meeting: file - broaden to include Beta.
4-8-91	Disclosure to F&N for application preparation.
4-18-91	Letter from C. Smith: assigned to O'Neill; novelty search instituted.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1587 (D810)

(Tomorrow) VACUUM TRANSFER OF SLURRY TO A MOVING PAPER WEB

E. Cutright and R. Scott of Jewett and H. Vogt
Engineering

A method for transferring a slurry to a moving paper web using a rotating drum with equally spaced slots, covered by a fine mesh screen, for containing the slurry.

Schardt/F&N/Reedy

3-14-91	Patent review meeting: file.
3-26-91	Disclosure to F&N for application preparation.
4-3-91	Assigned to Reedy; novelty search instituted.
7-3-91	Opinion received: meaningful coverage would be difficult to obtain.
8-20-91	Letter to F&N: put on ***hold*** for time being.
9-17-91	Patentability reconsidered; F&N recommends proceeding with patent application.
10-14-91	F&N instructed to proceed with application.

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PM 1588 (D787) ***** INACTIVE *****

(Cartier C-20) FOLD IN LID LOCK

X. Pham
Package Engineering

Improved cigarette-box blank. Consists of the addition of folded flaps to the top inner side panels of a rounded-corner or regular flip-top box. These flaps create interference with both sides of the innerframe thereby helping to keep the lid closed.

Glenn/F&N

3-14-91	Patent review meeting: file.
4-8-91	Disclosure to F&N for application preparation.
8-1-91	Patentability opinion: meaningful coverage would be difficult to obtain.
8-23-91	Inactivated.

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2020110289

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1589

(Project Ace) SEPARABLE OR DIVISIBLE LABEL CONTAINING UNIVERSAL PRICE CODE

J. A. DeBlasio, J. L. Miller, X. M. Pham, and R. E. Talley,

Engineering

Allows single unit U.P.C. on outside of multiple units, which is rendered void when the single unit is separated into its individual units.

Schardt/F&N/Horowitz

3-26-91	Disclosure received--to F&N for application preparation--***HIGH PRIORITY***.
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91	Patentability opinion: patentable.
6-6-91	PM 1617 combined herewith.
6-20-91	1st draft sent to inventors.
7-30-91	Inventors' comments sent to Horowitz along with new disclosure for consideration.
8-13-91	Letter from C. Smith: disclosure sent on July 30 will be embodied in PM 1589.
9-4-91	2nd draft sent to DeBlasio for review.
9-18-91	DeBlasio's comments sent to Horowitz.
10-7-91	Revised application received--ready to execute.

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20201110290

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1590 (Ace100, D791) *** FILED ***

(Project Ace 100) TWO SEPARATE CARTONS COMBINED AS A SINGLE UNIT BY ADHESIVE/CARRIER MEANS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley, W. P. Taylor, E. J. Wooldridge

Engineering

Relates to the connection of two separate cigarette cartons each of which contain a single row of five cigarette packs such that the combination of the two cartons has substantially the same dimensions as a standard cigarette carton which contains two rows of five cigarette packs per row.

Schardt/F&N/Horowitz

3-28-91	Disclosure received--to F&N for application preparation--***HIGH PRIORITY.***
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-14-91	C. Smith instructed to expedite this case.
5-21-91	1st draft received--to inventor.
5-30-91	Sample carton blanks sent to Horowitz.
6-3-91	PM 1566 combined herewith.
6-12-91	Revised application sent to deBlasio for review.
7-19-91	DeBlasio's comments sent to Horowitz.
8-12-91	Third draft sent to DeBlasio for review.
8-20-91	DeBlasio's comments sent to Horowitz.
10-2-91	Executed and sent to F&N for filing.

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PM 1591

(Project Ace 500 and 501) 5 PACK CARTON UNIT THAT HAS A TUCKED FLAP FOR EASE OF OPENING

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Allows for a tucked flap to be formed by forming a lap seam on the side of ther carton.

Schardt/F&N/Hersh

3-28-91	Disclosure received--to F&N for application preparation--***HIGH PRIORITY.***
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
10-7-91	1st draft sent to deBlasio for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1592 (Ace 6, 7, 9, 12, 19, 21, 400)

(Project Ace) SINGLE CARTON BLANK HOLDING 10 PACKS IN TWO 1X5 ROWS WHICH CAN BE SEPARATED INTO TWO SEPARATE 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Maintains existing 2x5 configuration to minimize machine modifications for processing at point of manufacture and at distribution tax stamping while still being able to be separated into two 1x5 cartons for distribution or by customer at point of sale.

Schardt/F&N/Hersh

3-28-91	Disclosure received--to F&N for application preparation--***HIGH PRIORITY.***
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91	Sample carton blanks sent to Horowitz.
10-8-91	PM 1593, 1594, 1611 combined herewith.

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PM 1593 ***** COMBINED *****

(Project Ace 400, 9 and 19) SINGLE CARTON BLANK HOLDING 10 PACKS IN TWO 1X5 ROWS WHICH CAN BE SEPARATED INTO TWO SEPARATE 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Maintains existing 2x5 configuration to minimize machine modifications for processing at point of manufacturing and at distribution tax stamping while still being able to be separated into two 1x5 cartons for distribution or by customer at point of sale.

Schardt/F&N/Hersh

3-28-91	Disclosure received--to F&N for application preparation--***HIGH PRIORITY.***
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91	Sample carton blanks sent to Horowitz.
10-8-91	Combined with PM 1592.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1594 *** COMBINED ***

(Project Ace 12) DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley Engineering

Allows optional method of adhering two 1x5 cartons together using glue.

Schardt/F&N/Hersh

3-28-91	Disclosure received--to F&N for application preparation--*HIGH PRIORITY.*
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91	Sample carton blanks sent to Horowitz.
10-8-91	Combined with PM 1592.

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PM 1595

(Project Ace 3 and 15) TAX-STAMPABLE HALF-CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley Engineering

Relates to detachable paperboard double half-cartons for cigarette packs in which a dual half-carton is run through a standard tax-stamping machine and then may be separated for sale as separate, individual half-carton units.

Schardt/F&N/Hersh

3-28-91	Disclosure received--to F&N for application preparation--*HIGH PRIORITY.*
4-23-91	Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91	Sample carton blanks sent to Horowitz.
10-11-91	1st draft sent to deBlasio for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1597 (D823)

(ACE 18) TWO CARTONS JOINED AS A SINGLE UNIT SUITABLE FOR TAX STAMPING AND SEPARATED TO PERMIT SALE AS TWO SINGLE CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, X. Pham, R. E. Talley
Engineering

Relates to the connection of two separate cigarette cartons each of which contain a single row of five cigarette packs such that the combination of the two cartons has substantially the same dimensions as a standard cigarette carton which contains two rows of five cigarette packs per row.

Schardt/F&N/Horowitz

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***
5-30-91	Patentability opinion: patentable; will proceed with application preparation.
6-21-91	1st draft received--to deBlasio for review by inventors.
7-30-91	Inventors' comments sent to Horowitz.
10-7-91	Revised application received--ready to execute.

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PM 1598 (D824) - CIP OF PM1590

(ACE 17) TWO CARTONS JOINED AS A SINGLE UNIT SUITABLE FOR TAX STAMPING AND SEPARATED TO PERMIT SALE AS TWO SINGLE CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, X. Pham, R. E. Talley
Engineering

Relates to the connection of two separate cigarette cartons each of which contain a single row of five cigarette packs such that the combination of the two cartons has substantially the same dimensions as a standard cigarette carton which contains two rows of five cigarette packs per row.

Schardt/F&N/Horotwitz

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***
5-30-91	Patentability opinion: patentable; will proceed with application preparation.
6-21-91	1st draft received--to deBlasio for review by inventors.
7-30-91	Inventors' comments sent to Horowitz.
10-8-91	2nd draft received incorporating additional disclosure--sent to deBlasio for review.

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2020110294

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1599 (D825)

(ACE 16) USE OF SLIP LOCK INSERTS TO SESCURE TWO SEPARATE CONTAINERS (OF 1 ROW X 5 PACKS) TOGETHER FOR THE PURPOSE OF CREATING A SINGLE PACKAGE THAT IS COMPATIBLE WITH EXISTING EQUIPMENT AND CAN BE SEPARATED UPON CONSUMER INITIATIVE

C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes
4-24-91 Disclosure to F&N for evaluation and application preparation--*HIGH PRIORITY.*
5-17-91 Novelty search instituted by F&N.

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PM 1600 (D826)

(ACE 14) DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Horowitz
4-24-91 Disclosure to F&N for evaluation and application preparation--*HIGH PRIORITY.*
5-30-91 Patenability opinion: patentable; will proceed with application preparation.

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PM 1601 (D827)

(ACE 13) DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes
4-24-91 Disclosure to F&N for evaluation and application preparation--*HIGH PRIORITY.*
5-17-91 Novelty search instituted by F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1602 (D828)

(ACE 11) A DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***
5-17-91	Novelty search instituted by F&N.

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PM 1603 (D829)

(ACE 10) 10 PACK CARTON THAT CAN BE SEPARATED INTO TWO 5 PACK CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Horowitz

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***
5-30-91	Patentability opinion: patentable; will proceed with application preparation.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1604 (D830)

(ACE 700) TWO 1X5 CARTONS JOINED AS A SINGLE UNIT SUITABLE FOR TAX STAMPING AND SEPARATED TO PERMIT SALE AS TWO SINGLE 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Horowitz

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***
6-4-91	Clarification of disclosure requested from deBlasio.
7-29-91	Status inquiry sent to DeBlasio.
8-6-91	Additional information sent to Horowitz.

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PM 1605 (D831)

(ACE 4) TOPLESS DUAL CONTAINER, TWO SECTIONS CONTAINING SINGLE ROWS OF 5 PACKS, CONTAINER CAN BE SEPARATED AND SMALLER CONTAINER INSERTED/ENCLOSED IN AN OUTER SLEEVE

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Hersh

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***

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PM 1606 (D832)

(ACE 2) INSERT IN A STANDARD CARTON DESIGN TO HOLD 5 PACKS AS A UNIT

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91	Disclosure to F&N for evaluation and application preparation--***HIGH PRIORITY.***
5-17-91	Novelty search instituted by F&N.

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2020110297

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1607 (D833)

(ACE 1) 5 PACK CARTON UNIT PACKED IN A STANDARD CARTON DESIGN

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91	Disclosure to F&N for evaluation and application preparation--*HIGH PRIORITY*.
5-17-91	Novelty search instituted by F&N.

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PM 1608 (D782) *** INACTIVE ***

INCORPORATION OF DRY FLAVORS INTO CIGARETTE PAPER TO MODIFY SIDESTREAM

R. M. Rogers, J. Swain, S. Tafur

Glenn/F&N/Horowitz

4-4-91	Disclosure to F&N for patentability evaluation.
8-12-91	Negative patentability opinion received.
8-26-91	Inactivated.

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PM 1609

(Project Drought) CIGARETTE MAKING AT ELEVATED TEMPERATURES

(PM Australia)

Schardt/Callinans/Kelson

5-29-91	Callinan instructed to proceed with filing in US and Europe--coordinate with Hargrave.

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2020110298

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1610 (ACE 20)

(Project ACE 20) SINGLE CARTON BLANKS HOLDING 5 PACKS WHICH MAY BE JOINED TO FORM A 2X5 SINGLE CARTON WHICH CAN BE SEPARATED INTO TWO 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A . Deblasio, D. H. Evers, M. A. Kirby, R. W. Newsome, and R. E. Talley
Engineering

Schardt/F&N/Hersh

5-14-91	Disclosure to F&N for application preparation.
5-21-91	Letter from C. Smith: assigned to Hersh.

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PM 1611 (ACE 21) *** COMBINED ***

(Project ACE 21) SINGLE CARTON BLANK HOLDING 10 PACKS IN
WHICH MAY BE JOINED TO FORM A 2X5 SINGLE CARTON WHICH CAN BE SEPARATED INTO TWO 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A . Deblasio, D. H. Evers, M. A. Kirby, R. W. Newsome, and R. E. Talley
Engineering

Schardt/F&N

5-14-91	Disclosure to F&N for application preparation.
5-21-91	Letter from C. Smith: assigned to Hersh.
10-8-91	Combined with PM 1592.

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PM 1612 (D814)

(NET) REORDERING OF EXPANDED TOBACCO BY AIR AT NEAR-EQUILIBRIUM RELATIVE HUMIDITY

John Crump, E. B. Fischer, Warren Winterson
Tobacco Fundamentals

Glenn/F&N/McCabe

5-9-91	Patent review meeting; file.
6-4-91	Disclosure to F&N for application preparation.
10-16-91	Meeting with McCabe/inventors.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1613 (D815 D818)

(BETA) CERAMIC HEATER

M. Hajaligol and Mike Watkins
Physical Research

Glenn/F&N/Matthews

5-9-91	Patent review meeting: combine D815 and D818 and file.
6-3-91	Disclosure to F&N for evaluation.
6-7-91	Letter from C. Smith: assigned to Matthews who is considering whether to combine PM 1613, 1529, and 1569.

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PM 1614 (D820)

IMPROVED RECYCLABLE CIGARETTE PLUG CONTAINER/TRAY SYSTEM

G. Holden, B. Kiernan, B. Semp, I. Szell
20th Street

Schardt/F&N

5-9-91	Patent review meeting: file.
5-16-91	Disclosure to F&N for application preparation.
5-21-91	Letter from C. Smith requesting sketches/photographs of the invention.
5-29-91	Sketches/photos requested from Kiernan.

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2020110300

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1615 (D816)

IMAGE INSPECTION SYSTEMS

H. Dante
Physical Research

Relates to image inspection systems which are suited to high speed inspection of repetitively occurring images and in which it is important to monitor the full grey scale integrity of the images.

Glenn/F&N/Jackson

5-9-91	Patent review meeting: file.
6-4-91	Disclosure to F&N for application preparation.
9-13-91	Meeting with B. Jackson and Dante.
10-1-91	1st draft sent to inventor for review.

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PM 1618

(PROJECT GOLD) CONTOURED SURFACE FO THE G.D X-1 EXIT SIDE SEAM HEATER PLATE

J. Adams

Allows for more complete glue activation on the side seam for pre-applied adhesive.

Glenn/F&N/Brook

6-5-91	Disclosure received--sent to F&N for application preparation on expedited basis.

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20201030

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1619

(PROJECT FRESH AND GOLD) HEAT SEALABLE FLIP-TOP BOX CONCEPT

John Adams, Angel Amendola, Fred Della Crosse, Bob Gallino, Jeff Haskin, Dave Moir, Xuan Pham, Ken Shepard

Completely eliminates wet adhesive in process of forming and sealing flip-top box. reduces machine down-time, increases machine utilization, and eliminate glue clean-up operation.

Glenn/F&N/Wildes
6-18-91 Disclosure sent to F&N for application preparation.
6-26-91 Assigned to Morey Wildes.

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PM 1620

(PROJECT FRESH AND GOLD) HEAT SEALABLE CARTON CONCEPT

John Adams, Angel Amendola, Fred Della Crosse, Bob Gallino, Jeff Haskin, Dave Moir, Xuan Pham, Ken Shepard

Completely eliminates wet adhesive in process of forming and sealing flip-top box. reduces machine down-time, increases machine utilization, and eliminate glue clean-up operation.

Glenn/F&N/Wildes
6-18-91 Disclosure sent to F&N for application preparation.
6-26-91 Assigned to Morey Wildes.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1621

(PROJECT FRESH AND GOLD) HEAT SEALABLE CLOSURE STAMPS CONCEPT FOR SOFTPACK

John Adams, Angel Amendola, Fred Della Crosse, Bob Gallino, Jeff Haskin, Dave Moir, Xuan Pham, Ken Shepard

Completely eliminates wet adhesive in process of forming and sealing flip-top box. reduces machine down-time, increases machine utilization, and eliminate glue clean-up operation.

Glenn/F&N/Wildes

6-18-91	Disclosure sent to F&N for application preparation.
6-26-91	Assigned to Morey Wildes.

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PM 1622 (D689)

USE OF EITELITE TO REDUCE SIDESTREAM EMISSION

J. B. Paine

Provides good cling, no fall-off, and near solidity to the ash. This material has much better ash coherence than the usual magnesium carbonates so far used.

Glenn/F&N/Miraglia

6-13-91	Patent review meeting: file.
6-24-91	Disclosure sent to F&N for application preparation.
7-12-91	Letter from Bailey: assigned to Miraglia--waiting for prior art to be sent up.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1623 (D834)

(NET) HUMID AIR REORDERING OR EXPANDED TOBACCO

M. S. North and W. D. Winterson

Provides an improved means of reordering expanded tobacco in that breakage is greatly reduced, and CB loss is reduced or eliminated relative to conventional reordering techniques. Provides effective means of keeping air relative humidity close to equilibrium tobacco RH.

Glenn/F&N/McCabe

6-13-91	Patent review meeting: file.
6-24-91	Disclosure sent to F&N for application preparation.
7-12-91	Letter from Bailey: assigned to McCabe.

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PM 1624 (D835)

(NET) MEANS OF CONVEYING TOBACCO THROUGH A REORDERING GAS STREAM

M. S. North and W. D. Winterson

Belt prevents tobacco from falling through the edges of a conventional articulated belt and provides gentle handling of product while allowing gas-tobacco contact, as would be required for reordering or drying tobacco.

Glenn/F&N/McCabe

6-13-91	Patent review meeting: file.
6-24-91	Disclosure sent to F&N for application preparation.
7-12-91	Letter from Bailey: assigned to McCabe--detailed illustration and description needed before application preparation can proceed.
10-16-91	Meeting with McCabe/inventors.

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2020110304

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1625 (D836)

(NET) IMPROVED MEANS OF DRYING EXPANDED TOBACCO

M. S. North and W. D. Winterson

Uses a device similar to a gyrocompact spiral freezer, modified such that (1) drying air replaces the cold air typical for freezers, (2) air flow is either cocurrent or countercurrent to tobacco flow, (3) air velocity sufficiently high to remove required moisture from tobacco in a single stage, and (4) belt modified to carry tobacco.

Glenn/F&N/McCabe

6-13-91	Patent review meeting: file.
6-24-91	Disclosure sent to F&N for application preparation.
7-12-91	Letter from Bailey: assigned to McCabe--detailed illustration and description needed before application preparation can proceed.
10-16-91	Meeting with McCabe/inventors.

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PM 1626 (D837, D838)

(TOMORROW) PROCESS FOR APPLYING BANDS OF CELLULOSIC SLURRIES, INORGANIC GEL MATERIALS OR BURN RETARDANTS ON CIGARETTE WRAPPER DURING PAPERMAKING PROCESS

S. D. Baldwin, R. T. Gaudlitz, N. Gautam, R. M. Rogers

Involves use of ink-jet printing technology to apply cellulosic slurries, etc. on cigarette wrapper in patterns such as 5 mm wide cross-directional bands to achieve zone specific modification of the burn rate of the cigarette.

Glenn/F&N/Horowitz

6-13-91	Patent review meeting: file.
6-24-91	Disclosure to F&N for application preparation.
7-17-91	Assigned to Horowitz; additional information requested.
8-1-91	Additional information sent to F&N.
8-12-91	References sent to Gautam by Horowitz for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1627 (D839)

(BETA) TRANSDUCER FILMS FOR AEROSOL PRODUCTION

P. J. Lipowicz

Production of aerosol by ultrasound without direct contact of the liquid to the ultrasonic transducer is disclosed. Surface of the transducer is covered with an adhering film. When power is applied to the transducer and liquid is placed on the film, the liquid is converted to an aerosol.

Glenn/F&N/deBlasi

6-13-91	Patent review meeting: file.
6-24-91	Disclosure to F&N for application preparation.
7-12-91	Letter from Bailey: assigned to deBlasi--detailed description of invention and illustrations needed before application preparation can proceed.

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PM 1628 (D840)

NEW PROCESS FOR THE PREPARATION OF MENTHOL ISOPROPENYL CARBONATE (MIC)

L. M. Harwood and A. C. Manage

Novel procedure for obtaining menthyl isopropenyl carbonate, the precursor of poly(menthyl isopropenyl carbonate)-polyMIC, an important menthol release agent.

Schardt/Depaoli/Giancola

6-13-91	Patent review meeting: file.
6-20-91	Disclosure to Depaoli for application preparation.
7-29-91	1st draft sent to Houminer/Seeman for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1629 (D841)

SYSTEM FOR FORMING A UNIFORM FLOW OF ROD SHAPED ARTICLES

T. J. Cummins and W. H. Pettigrew

Relates to a system for forming stacks of cigarettes or filters onto a conveyor as the product exits the production machinery.

Schardt/F&N/Bergin

6-13-91	Patent review meeting: file.
6-20-91	Disclosure to F&N for application preparation.
6-27-91	Assigned to Bergin; additional information requested from Pettigrew.

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PM 1630 (D842)

VARIABLE RATE OF FLOW SOFTWARE CIRCUIT

T. J. Cummins

Custom software program designed to control flow rates for given machine processes.

Schardt/F&N/Bergin

6-13-91	Patent review meeting: file.
6-20-91	Disclosure to F&N for application preparation.
7-8-91	Draft description of invention sent to Cummins for review.
7-15-91	Cummins' comments on description sent to F&N.
8-27-91	Assigned to Bergin.

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20201110307

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1631 (D843)

(Pack Coupon for FT Box) FLIP-TOP BOX WITH ATTACHED POP OUT COUPON

D. H. Evers

Glenn/F&N/Nix

6-13-91	Patent review meeting: file.
6-24-91	Disclosure to F&N for application preparation.
7-12-91	Letter from Bailey: assigned to Nix--novelty search instituted.
9-13-91	Unfavorable patentability opinion received.

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PM 1632 (D844)

ELECTRICAL SYNCHRONIZATION OF CHARCOAL DELIVERY CHAIN TO COMPONENT DELIVERY DEVICE

C. G. Atwell, M. Belcastro, J. Budjinski, W. Marsh, and T. Ward

High speed Lark combiner.

Schardt/F&N/Schoneman

6-13-91	Patent review meeting: file.
6-20-91	Disclosure to F&N for application preparation.
6-27-91	Assigned to Schoneman.

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20201110308

Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1633 (D845)

STEEL ON STEEL EMBOSSING WITH DATE CODING

R. Allison, R. Brinker, J. Wayne

Schardt/F&N/Brook

6-13-91	Patent review meeting: file.
6-20-91	Disclosure to F&N for application preparation.
7-3-91	Additional information requested from Brinker.
7-8-91	Additional information sent to F&N.
7-31-91	Assigned to Brook.

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PM 1634

ELECTRONIC PACKAGING GAUGE

Glenn/F&N/Adler

6-27-91	Disclosure to F&N for application preparation on expedited basis.
7-12-91	Letter from Bailey: assigned to Adler--detailed description of invention and drawing needed before work on application can proceed.
7-22-91	Sample gauge sent to Adler.
10-9-91	Drawings sent to Adler.

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PM 1635

PAPER/PLASTIC END CAP FOR CARTIER 10'S PACK

D. H. Evers

Paper/plastic cap is more economical than all plastic cap. Permits part to be wet-glued to body if desired. May be printed and/or embossed.

Glenn/F&N/Kalmar

7-3-91	Disclosure to F&N for application preparation--possibly as CIP to existing Cartier case.
8-26-91	Novelty search underway; assigned to Kalmar; Bob Jackson to supervise.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1636

(ACE 22) 1X5 CARTON WITH EXPOSED PACK ENDS FOR TAX STAMPING

D. H. Evers, W. C. Harris, R. E. Talley

Schardt/F&N/Horowitz

7-15-91	Disclosure to F&N for application preparation.
8-2-91	Assigned to Horowitz--search instituted.
8-22-91	DeBlasi discussed with Horowitz--need to expedite review of prior art.

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PM 1637

(ACE 23) CARTON CONFIGURATION OF VARIOUS NUMBER OF PACKS FOR INDIVIDUAL SALE OR COMBINED

J. A. DeBlasio

Schardt/F&N/Horowitz

8-7-91	Disclosure to F&N for application preparation.
8-19-91	Assigned to Horowitz.

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PM 1638 (D852)

(BETA - Permanent Heater) HEATER DESIGN PROVIDING EIGHT DISCRETE HEATING ZONES FOR GENERATION OF AEROSOL

A. Das, S. C. Deevi, E. Grollimund, M. R. Hajaligol, M. Subbiah

Disclosed is a single, integral, eight puff, "permanent heater", with an estimated life of 3-4 months, for generating aerosol.

Glenn/F&N/Bergin

8-8-91	Patent review meeting: file--combine if possible.
8-22-91	Disclosure to F&N for application preparation.
8-28-91	F&N considering whether or not to combine 1638 and 1546.
9-18-91	Bergin to prepare 1638 as separate application.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1639 (D853)

(NET) SHORT CYCLE TOBACCO IMPREGNATION WITH MODIFIED CONVENTIONAL HIGH PRESSURE BALL VALVE AS AN IMPREGNATOR

K. H. Cho, J. M. Dobbs, J. G. Nepomuceno, W. A. Nichols, R. Prasad

Cut filler tobacco impregnation, for expansion, may be achieved with the use of a modified high pressure ball valve as an impregnator. The cycle time for this method can be less than 40 seconds.

Glenn/F&N/McCabe

8-8-91	Patent review meeting: file--***high priority***.
8-22-91	Disclosure to F&N for application preparation.
8-28-91	Assigned to McCabe.
10-14-91	McCabe visited pilot plant.

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PM 1640 (D859)

USE OF HYDROMAGNESITE AS A FILLER OR CO-FILLER FOR LOW SIDESTREAM WRAPPERS

S. Baldwin, G. Bokelman, J. Fournier, A. Kallianos, J. Paine, K. Podraza, J. Seeman, S. Tafur

This disclosure relates to the use of hydromagnesite, either amorphous or crystalline, as a filler or a co-filler for the fabrication of tobacco cigarette wrappers having reduced sidestream smoke. The main objective of this invention is the reduction of sidestream smoke using a readily available, inexpensive filler composition which has excellent papermaking properties.

Glenn/F&N/Morris

8-8-91	Patent review meeting: file--combine if possible.
8-22-91	Disclosure to F&N for application preparation.
8-28-91	Assigned to Morris; to be considered in light of other Project 2500 cases for possible combining.
9-25-91	Memo to Sanders: need to resolve how to proceed with this case and Ecusta, as discussed.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1641 (D861)

X2 FOIL FOLDS INSPECTION VISION ASSEMBLY

E. J. Cadieux and T. P. White

The system disclosed is used on a GDX-2 to inspect the foil folds on our hard pack products. The Itran vision system used incorporated high speed electronics and state of the art optics to observe the foil folds and reject any missing, wrinkled or unregistered foil defects on the bottom or top of the packs.

Glenn/F&N/Brook

8-8-91	Patent review meeting: file--broaden.
8-21-91	Disclosure to F&N for application preparation.
8-28-91	Assigned to Brook; additional disclosure materials requested.
9-6-91	Memo to inventors requested more information.
9-19-91	F&N instructed to ***expedite***.

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PM 1642 (D863)

SIDE FLIP TOP BOX FOR 10S AND 14S

Pam Moore

Disclosed is a side flip-top box that is sized to accommodate 10 or 14 cigarettes. The box combines unique graphics potential with a tax stampable geometry feature. An integral innerframe is used in the 10s configuration to fill the excess volume that would be filled using the 14s collation.

Glenn/F&N/Kalmar

8-8-91	Patent review meeting: file.
8-22-91	Disclosure to F&N for consideration.
8-28-91	Assigned to Kalmar.

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PM 1643 (D866)

AN APPARTUS USING VACUUM TO PICK UP, TRANSFER, AND DEPOSIT A METERED AMOUNT OF CHARCOAL PARTICLES INTO A FILTER CAVITY

G. Atwell, J. Budjinski, G. Fleischhauer, M. Garthaffner, B. Keen, L. Stevens

Allows transfer and application of a metered amount of charcoal particles into a cigarette filter cavity at speeds up to 300 meters/minute.

Schardt/F&N/Wilson

9-20-91	Disclosure to F&N for application preparation (no committee review per Reid).
9-25-91	Assigned to Kalmar who will meet with inventors to gather additional information.
10-4-91	F&N asked to expedite.

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PM 1644 (D867)

APPARATUS WITH VACUUM ASSIST TO DELIVER A METERED AMOUNT OF CHARCOAL PARTICLES TO A PICK-UP STATION

G. Atwell, J. Budjinski, G. Fleischhauer, M. Garthaffner, B. Keen

Allows charcoal to be transferred in a sealed chamber and stabilized with vacuum.

Schardt/F&N/Wilson

9-20-91	Disclosure to F&N for application preparation (no committee review per Reid).
9-25-91	Assigned to Kalmar who will meet with inventors to gather additional information.
10-4-91	F&N asked to expedite.

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Source: https://www.industrydocuments.ucsf.edu/docs/xygj0000

PM 1645 (D868)

STRUCTURED LIGHT SOURCE FOR DETECTING CIGARETTE ATTRIBUTES VIA VISION SYSTEM

H. C. Longest, B. S. Smith

Cigarette attributes can be enhanced by using a structured light source for detection of attributes at high speeds. Void ends and loose ends also detected.

Schardt/F&N/Matthews

9-20-91 Disclosure to F&N for application preparation (no committee review per Reid).

9-27-91 Assigned to Matthews.

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